Chlorinator   SA	AFE WORK METHOD STAT	EMENT (SWMS)	
	TASK OR ACTIVITY: Chlorinator	r	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E gil:	
THIS SAFE WORK METHOD Under the Work Health and Safety Regulation (WHS Regulation), a person conduct		required to en that a safe work method s	statement (SWMS) is proported before
the proposed work starts.	curing a business of units of (PC 1) is	required to entry e that a sale work method s	statement (SWWS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	opliance the VMS a well as review	rs and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS MAN PHAVE THE FOLLOWING COMMUNICATED	NALE OF ALL RELEVANT PERSONNE EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO THIS SWMS	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched ed 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 contineach hazard.			
If an incident or a near miss occurs, all work must stop an attely. 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.	
LOW LOW MODERATE HIGH HIGH LOW KEVECORS Additional additionadditional addited additional additional additional additional										

	PERS_NAL 1TECTIVE EQUIPMENT (PPE)										
	Select the appropriate PPL above suitably for the equipment used or the job task being performed (if applicable).										
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	Trip hazards, falling objects	2М	<ul> <li>Proper housekeeping: Ensure that the workurea is clean and free from debris or other trip hazards, such as loose cables or materials.</li> <li>Mark potential hazards: Clearly mark areas workurs, hoses, or other temporary trip hazards using warning signs or brightly colored tape to increase usibility.</li> <li>Barricades: Install barricades asafety barriers alond cloated work areas where falling objects may pose a risk to workern infow.</li> <li>Store materials afely: More sure gat all tools materials, and equipment are stored securely and properly to potent any fallic objects.</li> <li>Toolth talk: Inductor gular toolbox like with workers to keep them informed about safety procedures and fluct lident or related to trip and fall hazards.</li> <li>Walk ay Create usignated walkways for workers to move safely throughout the work site, away from hazards ores of their or vovide appropriate fall protection equipment, such as safety harnesses, for workers who will a weights to prevent falls from occurring.</li> <li>Inspective Carry out routine inspections of the work area to identify and address any potential trip sards or risks associated with falling objects.</li> <li>Secure equipment: Check to make sure that all items being used during preparation have been adequately secured and stabilised so they do not become dislodged and cause an accident.</li> <li>Training: Provide employee training on how to safely use and maneuver around equipment and materials, identifying potential hazards and learning proper lifting techniques to prevent injuries.</li> <li>Incident reporting: Establish a system for workers to report any trip or falling object hazards, and create a plan to address these issues promptly.</li> <li>Emergency response plan: Develop and communicate a clear emergency response plan in case of an incident involving trip hazards or falling objects, including first aid provisions and steps to evacuate safely if needed.</li> </ul>	1L
2. Inspection	Electric shock, chemical exposure	ЗН	<ul> <li>Ensure all workers are trained and competent in performing inspection tasks, handling equipment and chemicals associated with the chlorinator system.</li> <li>Properly isolate power sources and lockout/tagout (LOTO) procedures should be strictly followed before proceeding with the inspection activities to prevent risks of electric shock.</li> <li>Inspect electrical components such as wires, switchboards, and connectors for visible damages, loose connections, or signs of wear and tear that can cause electric shock hazards. Replace or repair any defective parts immediately.</li> </ul>	2M

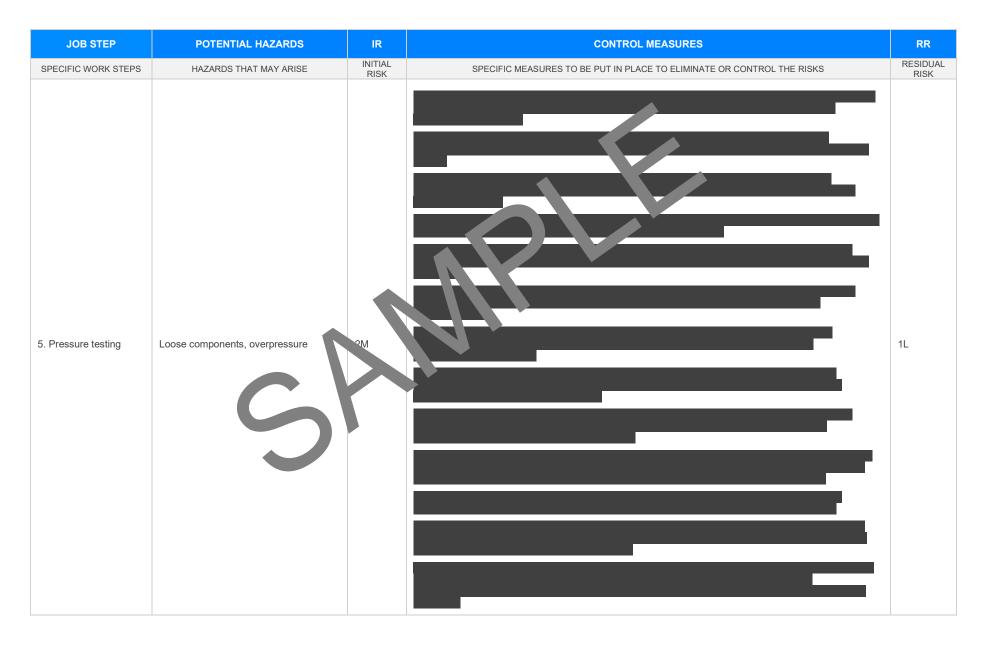


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			- Use appropriate personal protective equipment (PPE) during the inspection process, including rubber gloves and insulated tools to minimise the risk of electric shock.	
			- Ensure adequate ventilation in the chlorination receiver or area where the inspection is taking place to prevent chemical vapor accumulation and expresses.	
			- Wear chemical-resistant gloves, eye/face, stection, are other PPE when handling chemicals during the inspection process to avoid direct contact with sazar to substances.	
			- Conduct regular calibration of sensors and insurents involved in the chlorinator system to ensure accurate measurements and conitor potential characteristical expresses.	
			- Develop and follow a written it ection checklist de trag all steps to be taken during inspections, including identification, sses, ant of any visible teaks, corrosion, or other damages in the system.	
			- Keep a Material Safety D: Sheet (SDS) coessible to employees in the workplace to provide information on the chemic used in the minator system, including their hazards, first aid measures, and the sal mutods	
			- Follo humufacture 's instructions and recommendations for the proper storage and use of chemicals, ensuring a phraine are appropriately labelled and well-maintained.	
		- Make use everygency yewash stations and showers are available and easily accessible within the rkspan to han the any accidental chemical exposure.		
			<ul> <li>Registry, monitor the work environment for any signs of chemical exposure, and promptly address any sues to a fiel.</li> <li>- oper housekeeping practices should be maintained in the chlorinator area, keeping the workspace</li> </ul>	
	G		<ul> <li>clean and free of clutter to minimise trip and slip hazards during inspections.</li> <li>Conduct regular risk assessments and regularly review and update the Safe Work Method Statement (SWMS) in response to changes in work practices or if new hazards are identified. Include all employees in these updates and ensure they are trained on the updated SWMS.</li> </ul>	
			- Proper training: Ensure that all workers involved in the installation process have received adequate training in correct manual handling procedures and equipment operation to minimise the risk of crush injuries and strains.	
			- Lift assessment: Assess the weight and dimensions of the chlorinator before installation to determine if it requires mechanical lifting aids or a team lift to manage potential hazards.	
3. Installation	Crush injuries, manual handling	ЗН	- Personal Protective Equipment (PPE): Require workers to wear appropriate PPE, such as gloves for grip enhancement and steel-toed boots to prevent foot injury from falling objects during installation.	1L
			- Use mechanical aids: Utilise trolleys, forklifts, or other mechanical lifting devices to transport heavy equipment safely and reduce the need for excessive manual handling.	
			- Team lifting: When mechanical aids are not suitable, organise a coordinated team lift to move the chlorinator, ensuring that each worker is aware of their role and the lifting procedure to avoid crush injuries or mishandling.	
			- Clear workspace: Maintain a tidy and organised work area, eliminating any obstacles or tripping hazards that may increase the risk of injury while moving or installing the chlorinator.	



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
			- Supervision and communication: Assign experienced supervisors to oversee the entire installation process, ensuring effective communication among the team members and adherence to safety protocols.	
			- Follow manufacturer guidelines: Strictly adhere the emanufacturer's specifications for installation, including weight limits, clearances, and necessary support structures to prevent equipment failure and associated hazards.	
			- Periodic rest breaks: Encourage workers to the rectant rest breaks during strenuous activities to avoid fatigue, which could lead to mistakes in manual maning and an increased risk of crush injuries.	
			- Emergency plan: Establish emergency response plan are unsure that all personnel involved in the installation process understand peir roles and responsibilities in the event of an incident, including immediate actions to a provide in the standard response in the event of an incident.	
4. Connection	Electric shock, fire rise	ЗН		2M
4. Connection	Electric shock, fire risk	38		ZIVI







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
		IR INITIAL RISK		RESIDUAL         RESIDUAL         Image: state st
7. Operation	Maintenance activities, accidental leaks	3H		1L

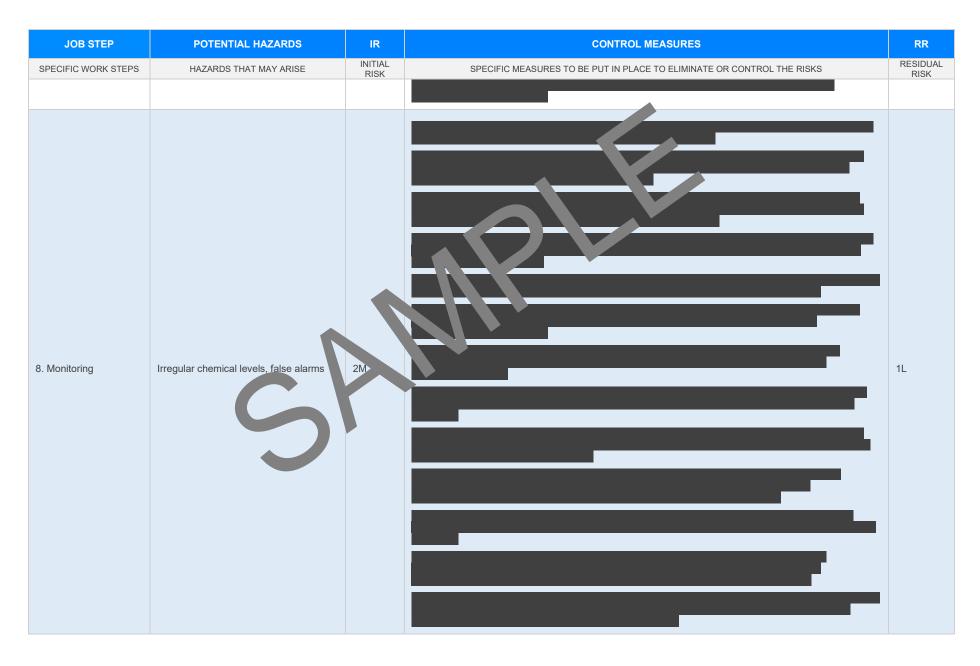
Version 2.5

Date of Issue:











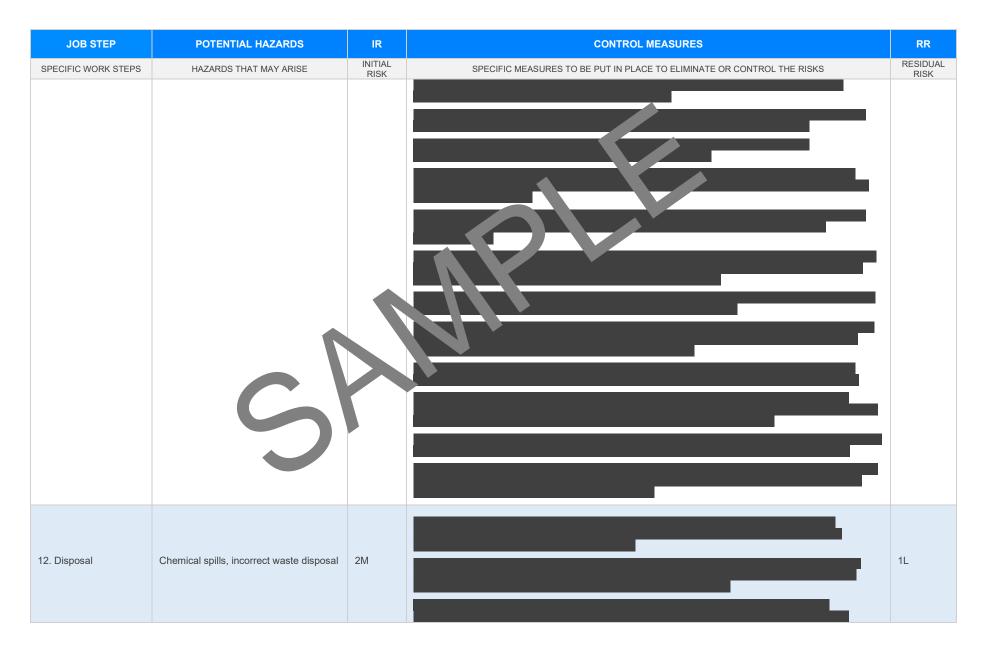
JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
9. Troubleshooting	Ineffective solutions, up the instruction	11		1L



EPECIFIC WORK STEPS     HAZARDS THAT MAY ARISE     MITAL RISK     SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS     REBURK       10. Shudown     Unauthorised access, incomplete shudown     24     Image: Steps and the steps access, incomplete shudown     24       11. Maintenance     Tools hazards, chemical storage     3H     Image: Steps access, incomplete shudown     3H	JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
No. Shudowi     Shu	SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
11. Maintenance     Tools hazards, chemical storage     3H     2M		Unauthorised access, incomplete shutdown			
	11. Maintenance	Tools hazards, chemical storage	ЗН		2M

Version 2.5





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



#### **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 REI	ERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISL	ATIVE 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: 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 all Safety Act and Occupational Health and onfetro egulations 2017 Legis non VIC: <u>https://www.ecuxsafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> ordes of mactice VIC <u>cuttps://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: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislatic">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a>	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>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-servelaws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestations</u>	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>
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: <a href="https://www.safework.sa.gov.au/word">https://www.safework.sa.gov.au/resources/legislation</a> Codes of Practice for SA: <a href="https://www.safework.sa.gov.au/word">https://www.safework.sa.gov.au/word</a> Tasmania         Work Health and Safety Act 2012         Work Health and Safety (Transitional and Consequential Provisions) Act 2012         Work Health and Safety Computer 2012	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
Work Health and Safety Regulations 2012 Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</u> Codes of Practice for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</u> Details of permits, licenses or access required by regulatory bodies (add or delete as required):	<ul> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> </ul>
<ul> <li>Permits from local council</li> <li>Authorisation to commence work</li> <li>Any required documents.</li> </ul>	- 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 part the importation ontrol 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	