Chlorinator   S	AFE WORK METHOD STAT	EMENT (SWMS)	
	TASK OR ACTIVITY: Chlorinator	r	
Business Name: [Company Name]		ABN: [ABN]	SWMS#
Business Address: [Company Address]			
Contact Person:	Phone: [Phone]	E All:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE P OF THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conductive proposed work starts.	icting a business or undertaking (r 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	vs and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED	N TE AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	LL RELEVANT PERSONNEL WHO HAVE B OPMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND
Safety meetings or toolbox talks will be sched ed in accordance with regislative requirements to first identify any site hazards, conditioned in the inical those hazards and then to further take steps to either the end of conditions of the area chazard.	NAME	SIGNATURE	DATE
If an incident or a near miss occurs, all work must study unately. 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:							rk being carried out (otherwise				
Project Address:				k	nown as scope of works).						
Project Manager:											
Contact Phone:											
Project Manager	Signature:										
Date SWMS supp	olied to Project Manag	er:									
		ANY HIG	H-RISK CON YUCI	N. JRK BEING	ARRIED OUT						
involves a risk of	a person falling more than	2 meters.		is carried out on or	near pressurised gas main	s or piping.					
is carried out on a	a telecommunication tower.			☐ is carried out on or near chemical, fuel or refrigerant lines.							
involves demolition	on of an element of a struct	ure that is load-be		☐ is carried out on or near energised electrical installations or services.							
involves demolition	on of an element related to	the physical integrit of a s	17 e.	is carried out in an area that may have a contaminated or flammable atmosphere.							
involves, or is like	ely to involve, disturbing a	estos.		involves tilt-up or precast concrete.							
involves structura	al alteration or repair that re	mporal upp to	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.							
is carried out in o	r 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/n	ear a shaft or trench deepe	er than 1.5m or tunnel involv	ving use of explosives.	is carried out in areas with artificial extremes of temperature.							
is carried out in o	r near water or other liquid	that involves a risk of drow	ning.	involves diving wo	k.						
		ANY	HIGH-RISK MACHINE	RY OR EQUIPMENT	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 -					







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	Trip hazards, falling objects	2М	<ul> <li>Proper housekeeping: Ensure that the work area is clean and free from debris or other trip hazards, such as loose cables or materials</li> <li>Mark potential hazards: Clearly mark areas who cords, hoses, or other temporary trip hazards using warning signs or brightly borded tape to increase visibility.</li> <li>Barricades: Install barricades or safety bar, is around elevated work areas where falling objects may pose a risk to workers below.</li> <li>Store materials safely: Makeure that all tools, interials, and equipment are stored securely and properly to reevent any falling used:</li> <li>Toolbox talk: Consider on the analytic term of the term of the about safety procedures an inazar of term of the workers to keep them informed about safety procedures an inazar of term of the workers to move safely throughout the work on aways on boards present duing preparation activities.</li> <li>Walkways: to ate designed walkware to workers to move safely throughout the work on aways on boards present duing preparation activities.</li> <li>Fall protective equipment (PPE): Provide necessary PPE, such as safety harnes is to find and rotex or risks associated with falling objects.</li> <li>Peorta arotective equipment (PPE): Provide necessary PPE, such as hard hats, tigh-vis, or vests, and safety shoes, for all workers within the area to minimise the s of injury from trips and 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 p</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	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
			<ul> <li>Use appropriate personal protective equipment (PPE) during the inspection process, including rubber gloves and insulated tools to minimise the risk of electric shock.</li> <li>Ensure adequate ventilation in the chlorinatic boom or area where the inspection is taking place to prevent chemical vapor a comulation and exposure.</li> <li>Wear chemical-resistant gloves, eye/face prectionered other PPE when handling chemicals during the inspection process to ave used contact with hazardous substances.</li> <li>Conduct regular calibration of pansors and instruments is powed in the chlorinator system to ensure accurate measurements and monitor otential chemical exposure.</li> <li>Develop and how a writh inspection check/fieldetailing all steps to be taken during inspection, or our damages in the syst.</li> <li>Keeta alterial activity Data Sheet (MSDS) accessible to employees in the workp, see provide aformation on the chemicals used in the chlorinator system, including the inspections and recommendations for the proper storage a buse is chemicals, ensuring all containers are appropriately labelled and wellman.</li> <li>Follow canue turer's instructions and showers are available and easily a ressible within the workspace to handle any accidental chemical exposure.</li> <li>Regularly monitor the work environment for any signs of chemical exposure, and promptly address any issues identified.</li> <li>Proper housekeeping practices should be maintained in the chlorinator area, keeping the workspace 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>		
3. Installation	Crush injuries, manual handling	ЗН	<ul> <li>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.</li> <li>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.</li> <li>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.</li> </ul>	1L	



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	<ul> <li>SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS</li> <li>Use mechanical aids: Utilise trolleys, forklifts, or other mechanical lifting devices to transport heavy equipment safely and reduce the need for excessive manual handling.</li> <li>Team lifting: When mechanical aids are not specified, organise a coordinated team lift to move the chlorinator, ensuring that each worker is aware of their role and the</li> </ul>	RESIDUAL RISK	NAME OF PERSON
			<ul> <li>lifting procedure to avoid crush injuries or meandling</li> <li>Clear workspace: Maintain a tidy and organisment area, eliminating any obstacles or tripping hazards that may increase to risk of injure shile moving or installing the chlorinator.</li> <li>Supervision and contractication Assign experience respervisors to oversee the entire installation occess, assume affective communication among the team members and unerence treafety procols.</li> <li>Follor manual turer guidenines: Strick contener to the manufacturer's specifications for investion, include weight limits, clearances, and necessary support structures to previous recording workers to take regular rest breaks during strenuor activities to a tid fatigue, which could lead to mistakes in manual handling and an increase tisk of crush injuries.</li> <li>Enorrel w plan: Establish an emergency response plan and ensure that all ersonny ovolved in the installation process understand their roles and poponsibilities in the event of an incident, including immediate actions to minimise in, elies and report the accident.</li> </ul>		
4. Connection	Electric shock, fire risk	зн		2M	

Date of Issue:



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
5. Pressure testing	Loose components, overpressure	2М		1L	



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
6. Start-up	Incorrect settings, valve failure	2М		1L	

Date of Issue:



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
7. Operation	Maintenance activities, accidental leaks	ЗН		1L	



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
8. Monitoring	Irregular chemical levels, false alarms	2M		1L	

Version 2.5

Date of Issue:



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
9. Troubleshooting	Ineffective solutions, unclear instructions	1L		1L	

Version 2.5



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
	S				



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
10. Shutdown	Unauthorised access, incomplete shutdown	2M		1L	



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
11. Maintenance	Tools hazards, chemice/surge	31		2М	



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
12. Disposal	Chemical spills, in arrect waste disposal	2M		1L	



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			
	S							



#### **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 REF	FERENCES						
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: <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/codes-of-practice</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</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 204 Occupational Health and Difety or gulations 2017 Legis non VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> or des of mactice VIC <u>autps://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/legislati-codes">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes</a> rach.         Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes</a> rach.	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 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/wa_place-servelaws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/wa_place-servelaws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/wa_place-servelaws</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: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_dces/codes-of-practice#COPs</u>	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						
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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <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> </ul>						
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.	<ul> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>						



#### 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	Position	Signature	Date	Time	Supervisor
			Date:		
			Datu		
			ı te:		
			Date:		

#### SAF WC A STHUD STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to revised if necessary) if relevant control measure are subcontract of the SWMS and their health and safety representatives who reworkplace.

ke sure it remains effective and must be reviewed (and acception of the process should be carried out in s any subcontract s) who may be affected by the operation esentatives who recented that work group at the

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	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	
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.			
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 effectine sections.			
Responsible person is assigned and listed on the SWMS for the impement of continue measures.			
Permit requirements specified, such as Hot Work, Electrical Work, Vortat Heights etc.			
SWMS identifies plant and equipment to be up t.			
Details of inspection checks required for any equipment listed at 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.			
Identifies any hazardous substances used with specific control measures in line with any SDS.			
			·
REVIEWED BY	DATE RI	EVIEWED	
SIGNATURE	DATE CO	MPLETED	