Operation Of Load Haul Dump	Machines   SAFE WORK	METHOD STATEMENT (SWM	S)
TASK OR ACT	IVITY: Operation Of Load Haul E	Dump Machines	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E. pil:	
THIS SAFE WORK METHOD	STATEMENT IS APPROXID BY	THE PC. OF TP' ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.		required to en that a safe work method s	statement (SWMS) 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	vs 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 PERSONN 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 red in according with regislative requirements to first identify any site hazards, the second reduced management is a those hazards and then to further take steps to either eliminate or contract each hazard.			
If an incident or a near miss occurs, all work must stop an ately. 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	000DF		HEIRARCHY OF CONTROLS						
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE	SCORE	SCORE	SCORE	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.					

						TIVE EQUIPM					
	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	Slips, trips and falls, Incorrect equipment setup	2М	<ul> <li>Conduct a pre-start inspection of the worke us to identify any potential slip, trip, or fall hazards and address them before commencing work.</li> <li>Ensure good housekeeping practices are in provided as keeping walkways and work areas clear of debris and obstructions.</li> <li>Provide adequate lighting in their areas to improve tisibility and reduce the risk of trips and falls.</li> <li>Use slip-resistant and by a degregonal involved on the preparation phase to prevent slips and falls.</li> <li>Install anti-memats or compt on the preparation phase to prevent slips and falls.</li> <li>Clefenerark us there unfaces, steps, and changes in elevation with warning signs or high-visibility paint to all the term.</li> <li>Implement compt densities on proper load haul dump machine setup procedures and ensure they have a roprise certurations if required.</li> <li>Regeriturings equipment for wear and tear to ensure it operates correctly and safely.</li> <li>See mechanical aids or team lifting techniques when handling heavy components during setup to put manual handling injuries.</li> <li>Follow manufacturer guidelines for load haul dump machine setup and operation to ensure compliance with safety standards.</li> <li>Establish clear communication channels among team members to facilitate coordination and prevent misunderstandings during setup.</li> <li>Ensure all setup activities are supervised by a competent person who can oversee the process and promptly address safety concerns.</li> <li>Keep an emergency response plan readily available and ensure that all personnel know the procedures for dealing with accidents or incidents.</li> </ul>	1L
2. Pre-start Inspection	Machine defects, Unidentified hazards	2M	<ul> <li>Conduct a thorough visual inspection of the Load Haul Dump (LHD) machine for any obvious defects, including wear and tear or damage to structural components.</li> <li>Verify that all safety guards and covers are in place and secure to prevent access to moving parts.</li> <li>Check fluid levels, including hydraulic oil, engine oil, coolant, and fuel, to ensure they are within the manufacturer's recommended operating range.</li> <li>Inspect tyres for proper inflation, signs of wear, and potential damage that could affect stability or traction.</li> <li>Test the functionality of all lights, alarms, horns, and warning systems to ensure they are operational and audible for safe operation.</li> </ul>	1L

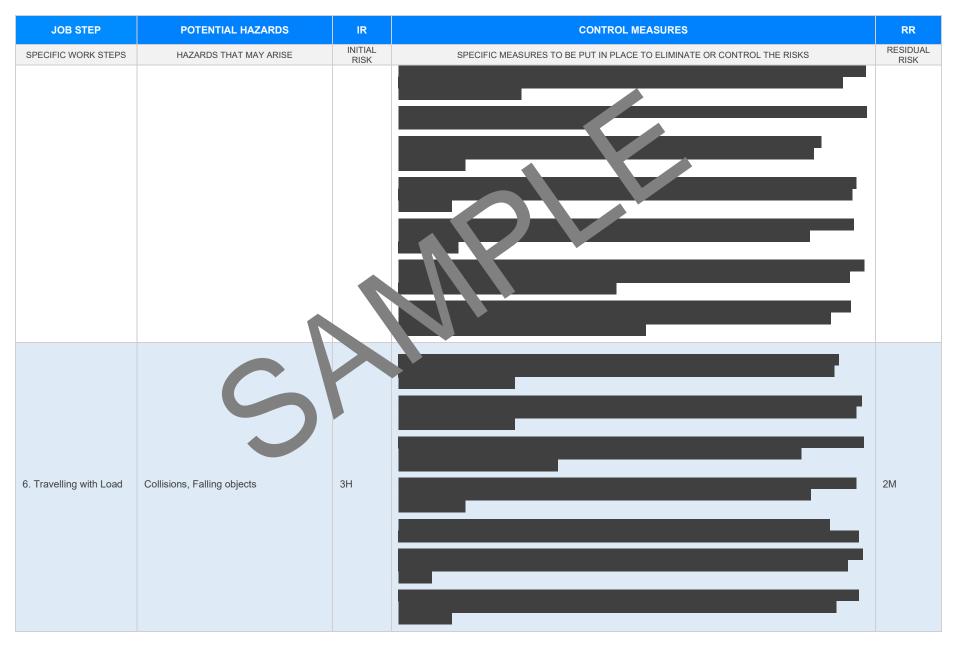


JOB STEP	POTENTIAL HAZARDS IR CONTROL MEASURES		CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE RISK		SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			- Examine hoses, fittings, and connections for leaks or damage that might compromise the machine's safety or performance.	
			- Review operator controls and switches for signs an alfunction or sticking that could hinder safe operation.	
			- Ensure that the fire extinguisher is preselve ully charge and easily accessible in case of an emergency.	
			- Confirm that all load and attachment securing chanisms are functioning properly to prevent unintentional release or moviment.	
			- Inspect the cabin for adequate sibility, cleanlines. The presence of comfort items such as windshield wipers and subjects.	
			- Utilize a pressart inspection check set o systematically review key machine components and operational functions, documenting are ssues for	
			- Eng. with operation and maintenance personnel to address any anomalies encountered during the inspection and init. Corrective actions promptly.	
			- Provide tracing for corrators on identifying signs of wear, potential hazards, and proper reporting procedues for mulpine faults or workplace conditions.	
	•		- corporte a heard assessment for the work environment to identify and mitigate any environmental factor, the could pose risks, such as wet or uneven surfaces.	
	G		- induct comprehensive training programs for all operators, including theoretical and practical components specifically tailored to Load Haul Dump machines.	
			- Implement a buddy system where new or less experienced operators work under the supervision of a seasoned operator until they are deemed competent.	
			- Regularly assess operator competency through scheduled refreshers and skill evaluations to identify and rectify skill gaps.	
			- Standardise operating procedures for each task to ensure consistency and safety in machine operation.	
			- Display easy-to-understand operation guides and emergency procedures prominently within the cab of each machine.	
3. Operation Start-Up	Inadequate training, Operator error	3H	- Utilise simulators or virtual reality systems to improve operator skills without the risk of equipment damage or injuries.	2M
			- Create a visual inspection checklist to be completed by operators before starting the machine to identify any potential issues early.	
			- Ensure that communication devices are functional and operators can easily communicate with supervisors and other team members.	
			- Establish clear protocols and regular drills for emergency situations such as machine malfunctions or accidents.	
			- Include fatigue management guidelines like mandatory rest breaks in shifts longer than eight hours, as fatigue can lead to human error.	

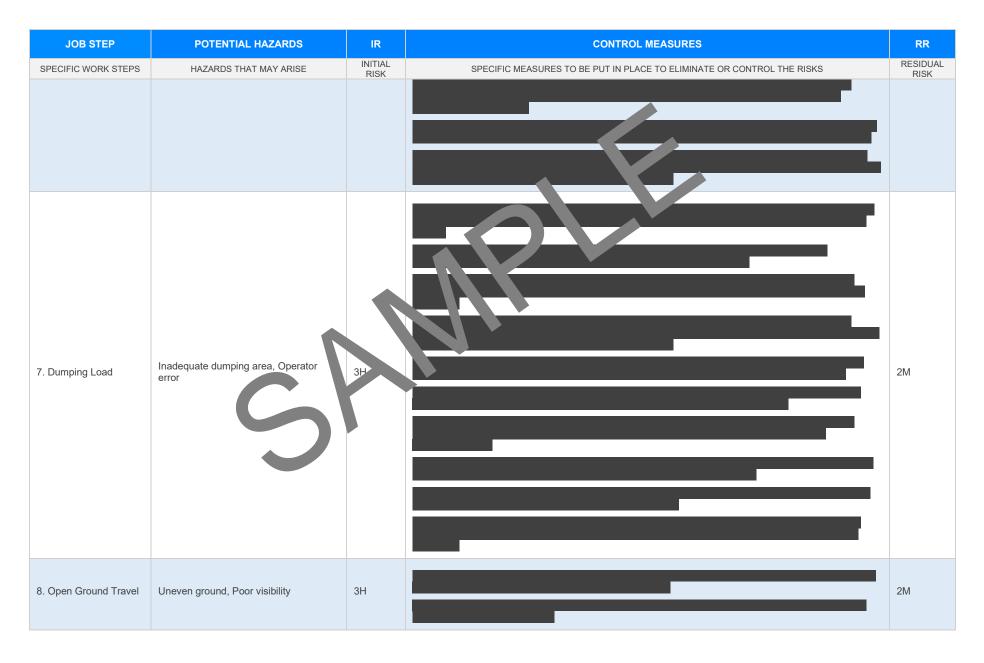


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			- Encourage a workplace culture of safety by rewarding safe practices and penalising negligence, making operators more cognisant of their responsibilities.	
4. Normal Operation	High speed operation, Improper use	ЗН		2М
5. Load Picking	Overturning, Falling load	ЗН		2M

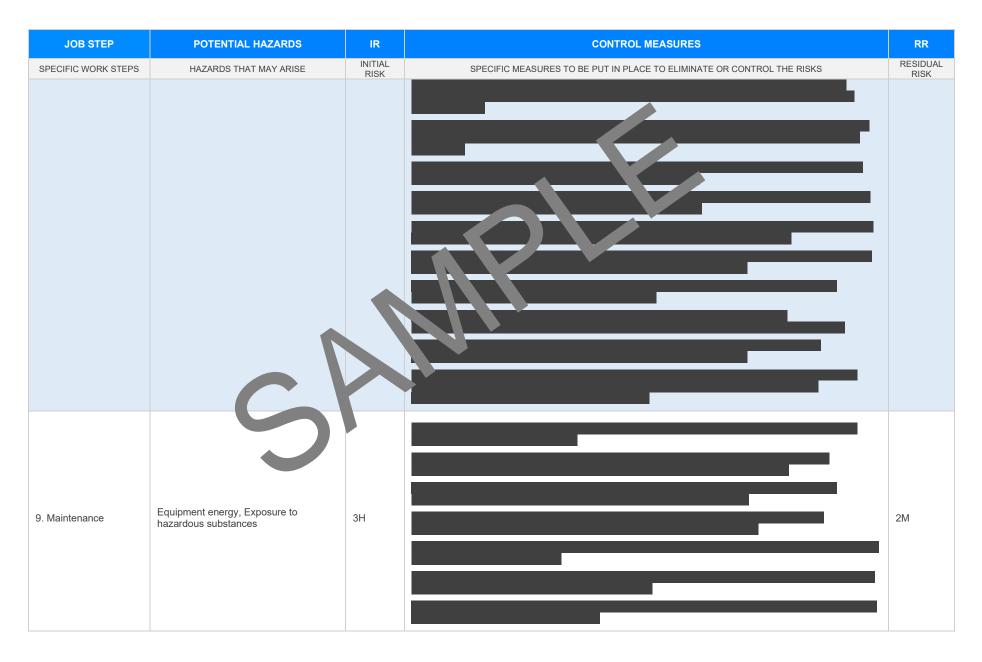




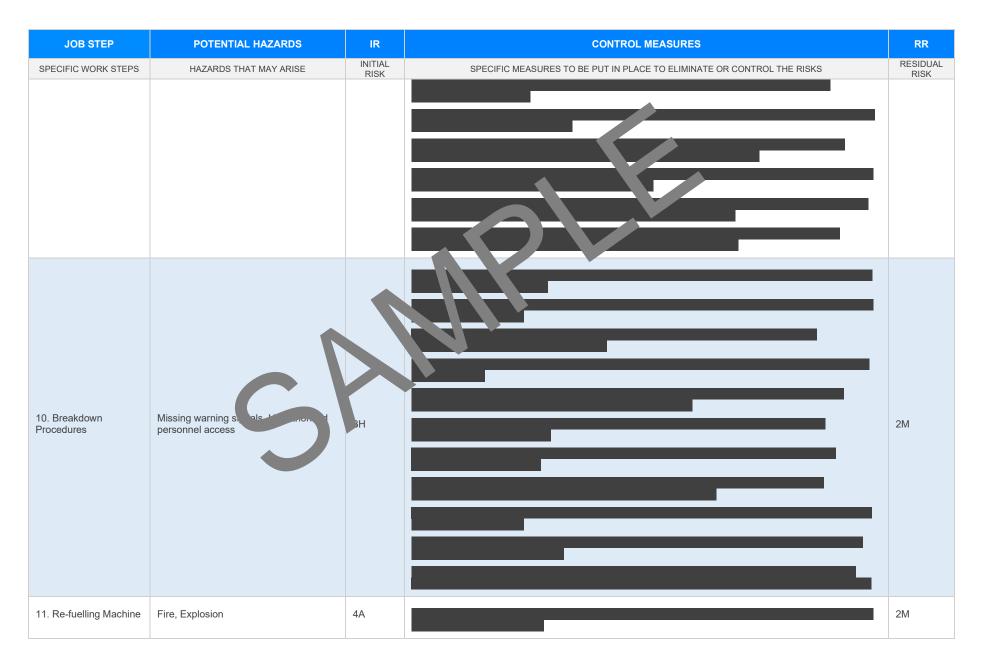














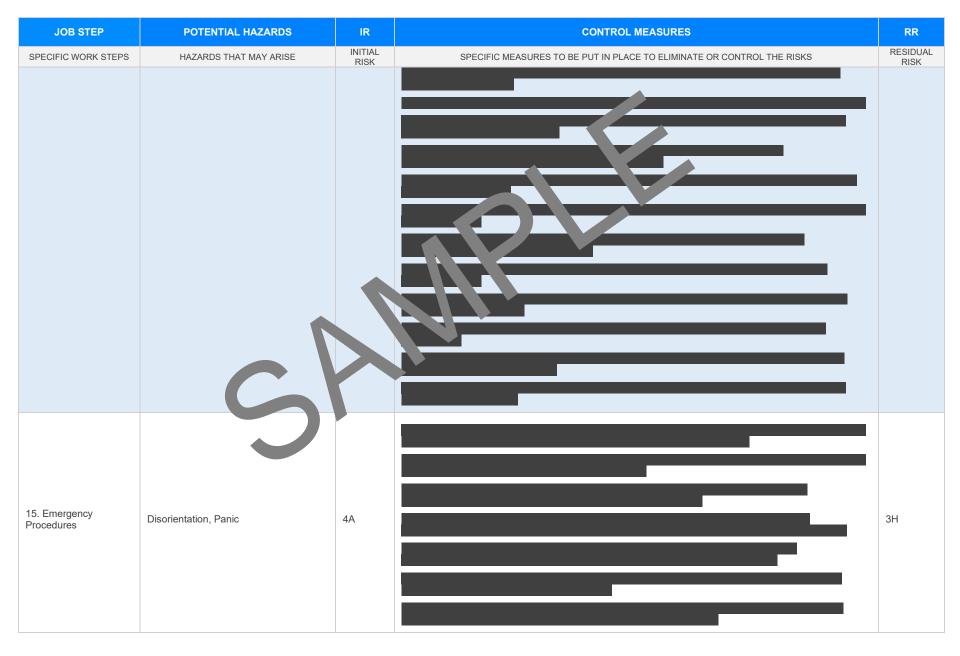




JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
13. Clean Up	Slips, trips and falls, Improper waste disposal	34		2M
14. Reporting And Recordkeeping	Lost information, Incorrect recordkeeping	2M		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
	7			



#### **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	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 au Safety Act 204 Occupational Health and onfetve gulations 2017 Legis non VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> onles of mactice VIC <u>entps://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/weiplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediate-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediate-serve-laws</u>	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
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: https://www.safework.sa.gov.au/resources/legislation Codes of Practice for SA: https://www.safework.sa.gov.au/work_dces/codes-of-practice#COPs	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
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 and 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>Work nearth and safety constitution, cooperation and coordination</li> <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 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 RE	VIEWED
SIGNATURE	DATE CO	MPLETED