Work In Harsh Thermal Envi	ronments SAFE WORK M	ETHOD STATEMENT (SWMS)
TASK OR AC	TIVITY: Work In Harsh Thermal	Environments	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E ail:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE PC. OF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or under the (Pour I) is	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 a	poliance the VMS a vell as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS MS MAN	NALE OF ALL RELEVANT PERSONN	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 sched comparison to compare the hazards and then to further take steps to either eliminate or compared hazard.			
If an incident or a near miss occurs, all work must store provide the provide the provide 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 terrar by 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	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 1 2 3 3 1L Inition and kase records Isolate the hazard. otes on Hierarchy of Controls: Limination methods are the most effective and preferrence on construction is the second most effective method of controlling a hazard. Engineering by isolation is the structure for the second most effective method. Substitution is the second most effective method. Administrative work. ontrols by changing the work is the fourth most effective method. PPE (Personal Protective Fquement), the least effective Effective PPE												

						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 R	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	Dehydration, Heat stroke	ЗН	 Ensure adequate supply of cool, potable work is available on-site and encourage regular consumption by all workers. Schedule heavy physical labour for cooler participle day, such as early mornings or late evenings, to minimise heat exposure. Implement mandatory rest broks in shaded or courd and or recovery and avoid overexertion. Provide education of the provide such a sign of the education of the provide such as early mornings and symptoms of heat-related illnesses such a education of the provide such as the provide education of the provide sign and both stroke. Equip works brow with fully, portable broke and other stroke. Equip works brow work not one and provide sign and both stroke. Equip works brow work not one are lightweight, loose-fitting clothing made of breathable materials that do not retain that. Use sin de suctures onts, or temporary shelters at outdoor work sites to reduce direct sun exposure. Inducting the such and the provide soort. Develop and implement an acclimatisation program for new employees or those returning after an a ence, allowing them to gradually adapt to working in hot environments. Encourage a buddy system where workers monitor each other's condition during shifts to quickly identify any adverse health effects from heat exposure. Post signage at strategic locations reminding staff of the importance of hydration and awareness of heat stress symptoms. Ensure supervisors and first-aid personnel are trained and equipped to respond promptly and effectively to incidents of heat stroke or dehydration if they occur. 	2М
2. Operational planning	Missed rest breaks, Thermal discomfort	2M	 Ensure all workers are trained on the importance of taking scheduled rest breaks and recognising signs of thermal discomfort. Implement a buddy system where workers monitor each other for signs of heat stress or fatigue. Schedule work activities during cooler parts of the day or in shaded areas when possible to minimise thermal exposure. Provide adequate hydration stations with cool water readily accessible and encourage regular consumption. Utilise portable fans or personal cooling equipment to reduce personal discomfort in high-heat areas. Designate specific rest areas that are well-ventilated or air-conditioned for recovery during breaks. Develop a schedule that includes frequent short breaks to allow for adequate recovery time from heat exposure. 	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 RISK
			- Conduct pre-work briefings to reinforce the importance of adhering to break schedules and the procedures for reporting missed breaks.	
			- Supply personal protective equipment designed for mermal environments, such as breathable fabrics or cooling vests.	
			- Monitor environmental conditions using temperature and jumidity readings to adjust work practices in real-time.	
			- Communicate clearly defined procedures for the ers to report my symptoms of thermal discomfort or missed breaks without fear of spercussions.	
			- Implement regular supervision and check-ins, espectra during peak heat periods, to ensure compliance with planned rest the area of control measures.	
			- Provide appropriate personal protect, an appment (PPE), such as heat-resistant gloves and long- sleet slothing on prevent heat burns and cuts.	
			- Context gular to intenance checks on equipment to ensure it is functioning efficiently and minimise overheding sks.	
			 Implement as skout/to but system to ensure machinery is powered down before performing sintens ce tas reducing hazards from unexpected startups. 	
	1		- Educte raff about the dangers of touching hot surfaces and the correct technique to handle sharp tools comparents.	
			- e thermal imaging cameras or infrared thermometers to identify areas within the equipment that may be excessively hot.	
			- Ensure all cutting tools are securely fastened and in good condition to reduce the risk of accidental cuts.	
3. Equipment	Heat burns, Cuts from any objects	2М	- Establish clear communication protocols to alert nearby workers when maintenance is being performed on equipment.	1L
maintenance			- Maintain a well-organised workspace to keep sharp objects out of pathways and reduce tripping hazards.	
			- Place warning signs near particularly hot equipment components to remind workers of potential burn risks.	
			- Introduce frequent breaks and hydration stations to help workers manage their body temperature in harsh environments.	
			- Train workers on first aid response for dealing with heat burns and cuts, ensuring quick and effective treatment if an incident occurs.	
			- Provide fans, ventilation, or air conditioning to help dissipate excessive heat generated by equipment.	
			- Inspect and replace worn or damaged insulation on equipment to prevent unintended contact with hot surfaces.	
			- Adopt proper lighting around areas where maintenance work is conducted to improve visibility and reduce the likelihood of accidents.	



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
4. Personnel briefing	Miscommunication due to heat stress	ЗН		2М
5. Journey to site	Vehicle component failure due to high temperature, Fatigue from prolonged driving in warm temperatures	ЗН		2М





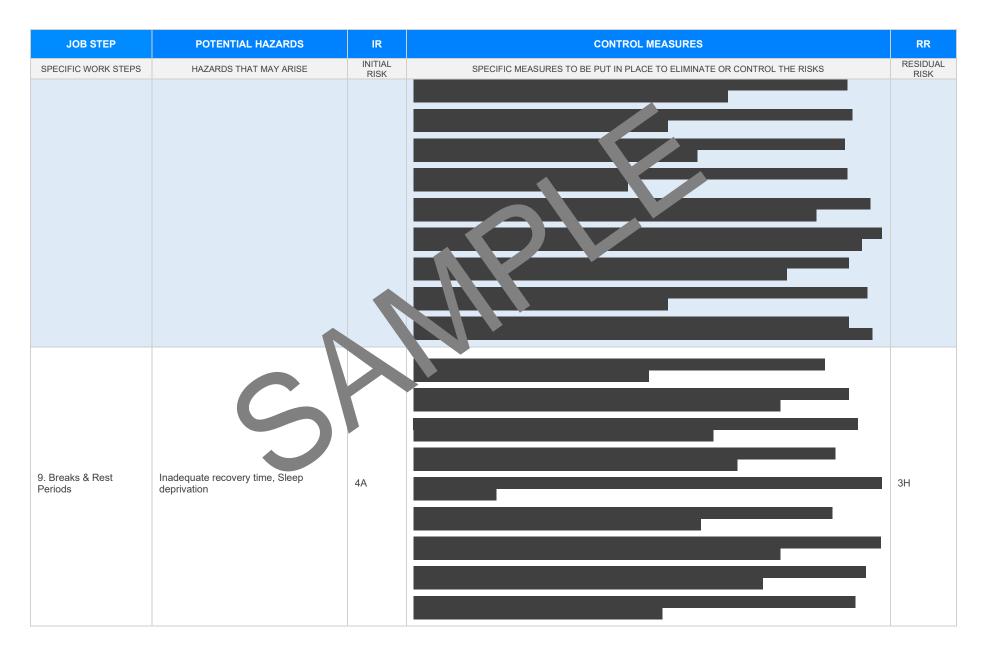


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL
7. Work execution	Skin cancer from UV exposure, Musck cramps	4		2М
8. Hydration and Feed	Choking, Food-borne illnesses due to improper storage	2M		1L

Version 2.5

Date of Issue:





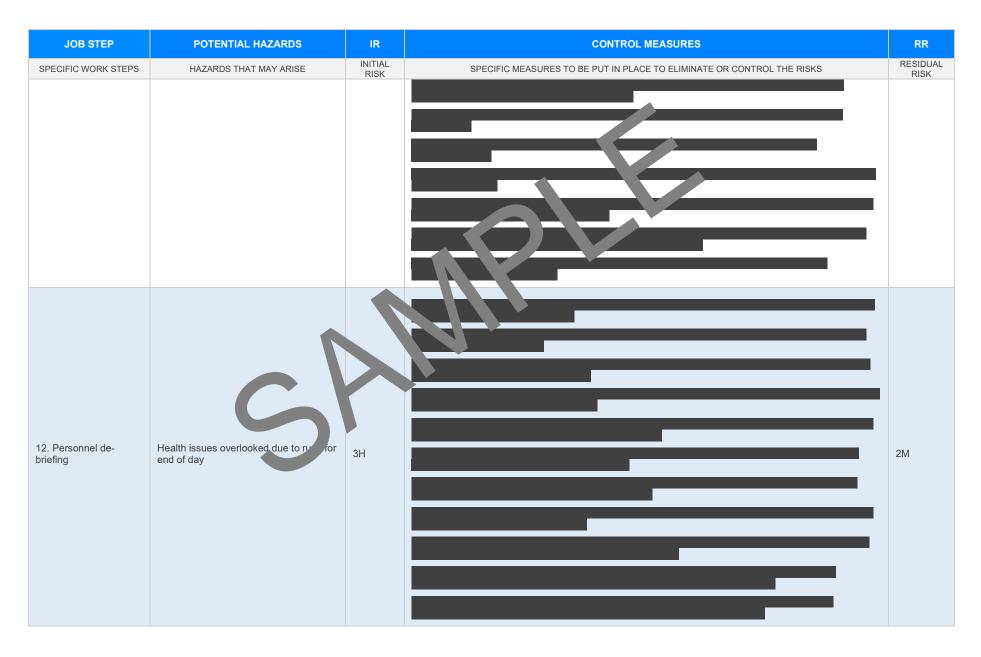


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
				1
10. Rescue & Evacuation Plan	Delays due to severe weather conditions, Inadequate training	ЗН		2M
11. Equipment disassembly	Electrical malfunctions due to high heat, Heat burns	ЗН		2M

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
13. Return journey to base	Vehicle breakdown due to overheating engine, Drowsy driving	44		ЗН
14. Post-operation analysis	Inadequate rest leading to poor concentration, Illness due to extended exposure to heat	4A		ЗН



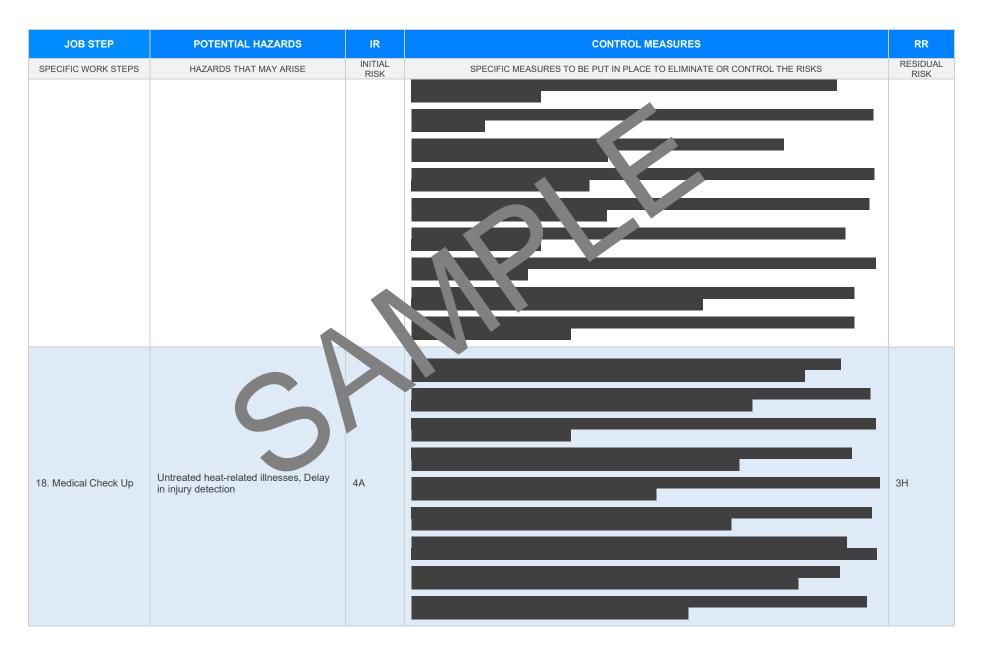
JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
15. Equipment cleaning and storage	Chemical burns, Slips due to wet surfaces	2M		1L



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 RISK
				•
16. Report writing & Review	Eye strain, Heat exhaustion	34		 2M
17. Recovery & Rehydration	Kidney stones due to insufficient fluid intake, Electrolyte imbalances	4A		2M

Date of Issue:

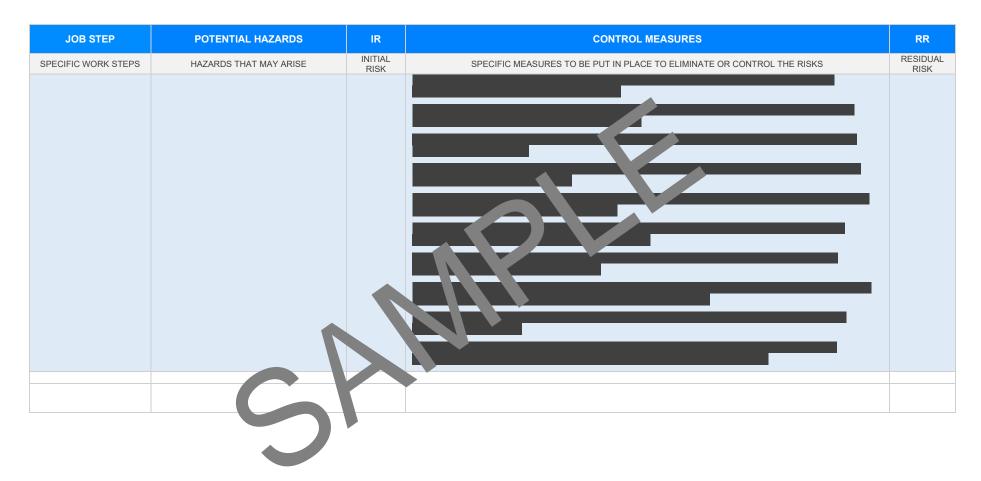






JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
19. Rest & Recuperation	Delayed recovery club to inadequate resting facilities, hut ficient sleep	4A		ЗH
20. Review and update of safety protocol	Overlooking changes in weather patterns, Failing to address repeated health issues	ЗН		2М







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 an Safety Actor 04 Occupational Health and offety orgulations 2017 Legis of VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- oulations</u> Codes of mactice VIC <u>entips://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 (Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes (Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes (Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis (Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis (Codes-o, ract)	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/fecture.com_stice</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: https://www.safework.sa.gov.au/resources/legislation Codes of Practice for SA: https://www.safework.sa.gov.au/resources/legislation Codes of Practice for SA: https://www.safework.sa.gov.au/work 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 Regulations 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 Managing diatrial risks in the workplace				
Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work - Any required documents.	 Managing electrical risks in the workplace Demolition work Excavation work Work health and safety consultation, cooperation and coordination Managing the work environment and facilities How to manage work health and safety risks Managing risks of plant in the workplace Construction work 				



SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and 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 RE	VIEWED
SIGNATURE	DATE CO	MPLETED