Engine Crane SAFE WORK METHOD STATEMENT (SWMS)									
١	TASK OR ACTIVITY: Engine Crane								
Business Name:		ABN:	SWMS#						
Business Address:									
Contact Person:	Phone:	E ail:							
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY								
THIS SAFE WORK METHOD STATEMENT IS APPRO' 'D BY THE PC. 'OF TP' - ROJECT Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or under the group of (PC. I) is required to encode that a safe work method statement (SWMS) is prepared before the proposed work starts.									
Full Name:									
Signature:	NK	Title:	Date:						
Details of the person(s) responsible for ensuring implementation, monitoring	opliance i the VMS a well as review	s and modifications of the SWMS.							
Full Name:		Title:	Phone:						
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS MAN HAVE THE FOLLOWING COMMUNICATED	NAME OF ALL RELEVANT PERSONNE EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO THIS SWMS	DMMUNICATED TO IN THE						
Safety meetings or toolbox talks will be sched and in according with a gislative requirements to first identify any site hazards, such a to compare hicas those hazards and then to further take steps to either eliminate or contral 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	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 ap	propriate PPL	abo, ruitab	i or the equi	oment used or	the job task	being perform	ned (if applica	able).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION		P ECTION	R⊾ ⇒PIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE Required:											
	Permit or Licenses Requirements			Mandatory Qualifications and Training							



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Slips, trips and falls, Incorrect lifting procedures	2М	 Ensure proper training of all personnel invested in using the engine crane, focusing on appropriate lifting procedures and hazard identification. Conduct regular inspections and maintenano of or engine crane to guarantee its safe and efficient operation. Practice good housekeeping cliniciples, keeping to work use clean and free from clutter that might cause slips or trips. Keep the floor for a personal protective quapment (PPE) such as sturdy footwear with slip-resistant soles to minute slips. We correct the slips of the engine crane and ensure it is appropriate for the load being lifted. Plan the data structure states and attachments for defects or damage prior to use; replace if necessary. Neither a clear communication system between team members during the lifting process to coordinate movements and avoid confusion. Avoid rushing or making sudden movements while operating the engine crane; practice slow, controlled actions. Do not stand under the elevated load at any point during the lifting process. Athere to Australia Workplace Health and Safety regulations, reporting any incidents or near misses observed during the preparation and execution of the engine crane tasks. 	1L
2. Inspecting Lifting Devices	Faulty equipment, Inadequate inspection	3H - Conduct a thorough pre-operation inspection of the engine crane and associated lifting devices, checking for any visible damage or wear on slings, hooks, chains, and other components. • Ensure that all employees are trained and competent in the proper use and inspection of engine cranes and lifting devices, only permitting authorised personnel to operate the equipment. • Develop and implement a regular maintenance schedule for the engine crane and lifting devices, in line with the manufacturer's guidelines, to minimise the risk of faults and malfunctions. • Verify that all equipment has been regularly inspected and tagged according to the relevant regulations and Australian standards, including sling tags and Safe Working Load (SWL) information.		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
			 Utilise only certified and approved lifting devices strictly following the manufacturer's specifications for capacity, materials compatibility, and application, always considering the weight and size of the load being lifted. Update and display clear signage near the ender crane stating inspection requirements, current SWL ratings, and procedure for reporting any subjected faulty devices, reminding operators to be diligent during every use. Implement a system for reporting and removing they equipment from service immediately upon identification, ensuring that it is not used until reported, tested and authorised for use by a competent professional. Encourage open contralication amongst coworker upgarding potential hazards and ensure that employees feel comortable people of concerns and discrepancies related to lifting devices and equipment. Assers environmental anditions between the trans impact the safe operation of an engine crane and its lifting upon a weather conditions that may impact the safe operation of an engine crane and its lifting upon and weather conditions that may impact the safe operation of an engine crane and its lifting upon and weather conditions that may impact the safe operation of an engine crane and its lifting upon and update workplace health and safety documentation, such as standard operating noming is. Construction with lifting devices. Construction and risk assessments, ensuring that they address the potential hazards and control assures associated with lifting devices. Construction and risk assess the effectiveness of implemented control measures in minimising the risks associated with faulty equipment and inadequate inspections, adjusting procedures and training as necessary. 	
			 Conduct a pre-start inspection of the engine crane to ensure it is in proper working condition and assess its load capacity for the specific task. Clearly mark out the designated work area with safety barriers or tape where the engine crane will be positioned to prevent unauthorised access and reduce the risk of being struck by moving objects. Ensure appropriate signage is displayed around the work area to alert workers of the potential hazards related to positioning an engine crane. 	
3. Positioning Crane	Struck by moving objects, Overloading	ЗН	 Conduct safety briefing and toolbox talks for all team members involved in the operation, highlighting the hazards of positioning the crane and the control measures in place. 	1L
			- Utilise a designated spotter during positioning of the engine crane to prevent any collision with other stationary or moving objects within the workplace.	
			- Verify the ground condition where the crane will be positioned to ensure it is level and stable, reducing the risk of tipping over or uneven loads.	
			- Assess the weight of the load and make sure it is within engine crane's load capacity to prevent overloading and ensure safe operation.	



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
			 Consult the manufacturer's guidelines on safe operation and maintenance of the engine crane to determine proper weight distribution and avoid overloading. 	
			- Monitor weather conditions during the positioning pocess, as high winds can cause instability and increase the likelihood of accidents.	
			- Use Personal Protective Equipment (PPL, uch as hard ats, high visibility clothing, and steel-toed boots to minimise the risk of injury while post, and the angine crane.	
			- Implement ongoing monitoring and communic, an among team members during crane positioning, including hand signals or two ay radios, to ensure seamles and coordinated movements.	
			- Develop and implement emery by response procession case of incidents involving engine crane positioning, such as well with the second state of t	
4. Attaching Load	Unexpected movement and add, Crus injuries	4A		2М

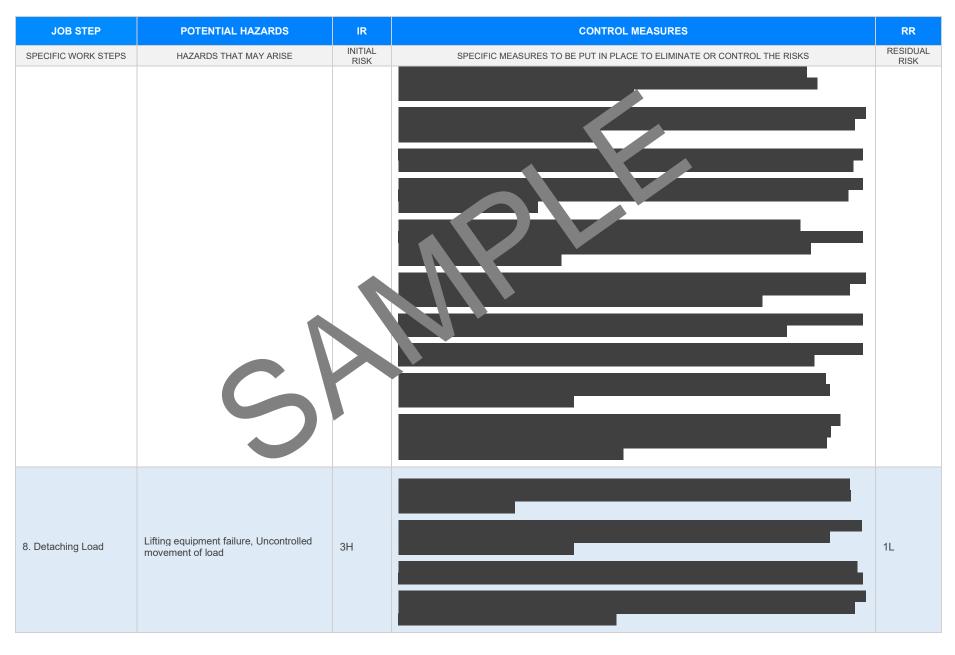


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
5. Lifting Load	Swinging or unbalanced load, Fall from height	ЗН		1L



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	RESIDUA RISK
		INITIAL RISK		RESIDUA

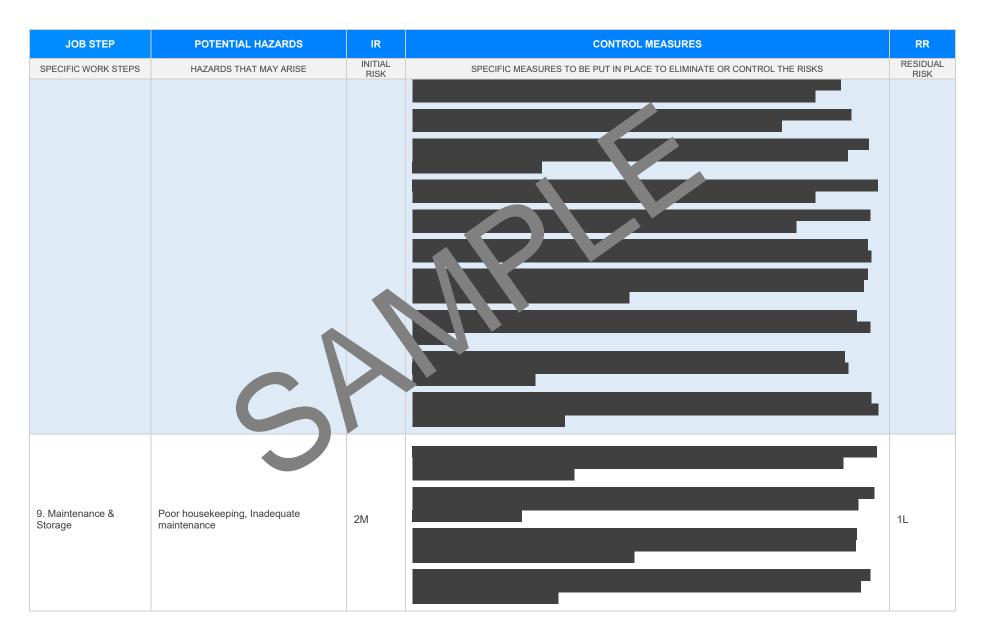




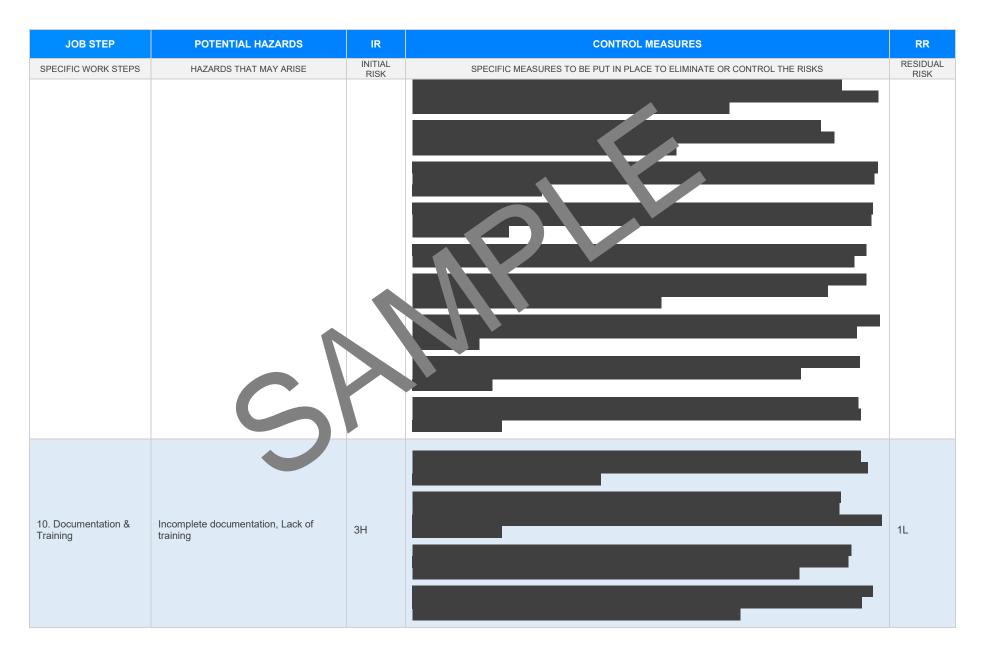
Version 2.5

Date of Issue:

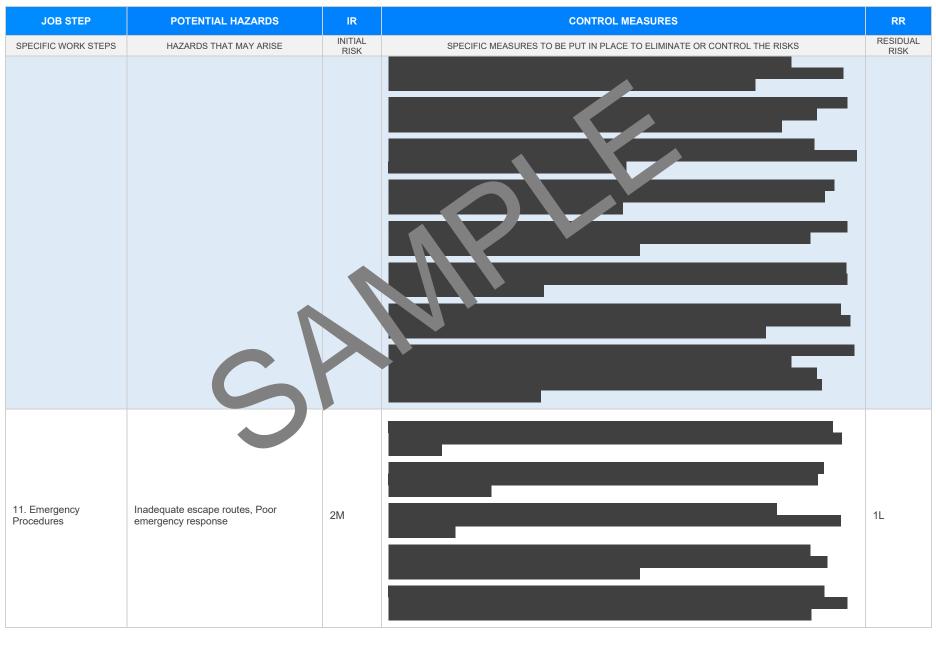






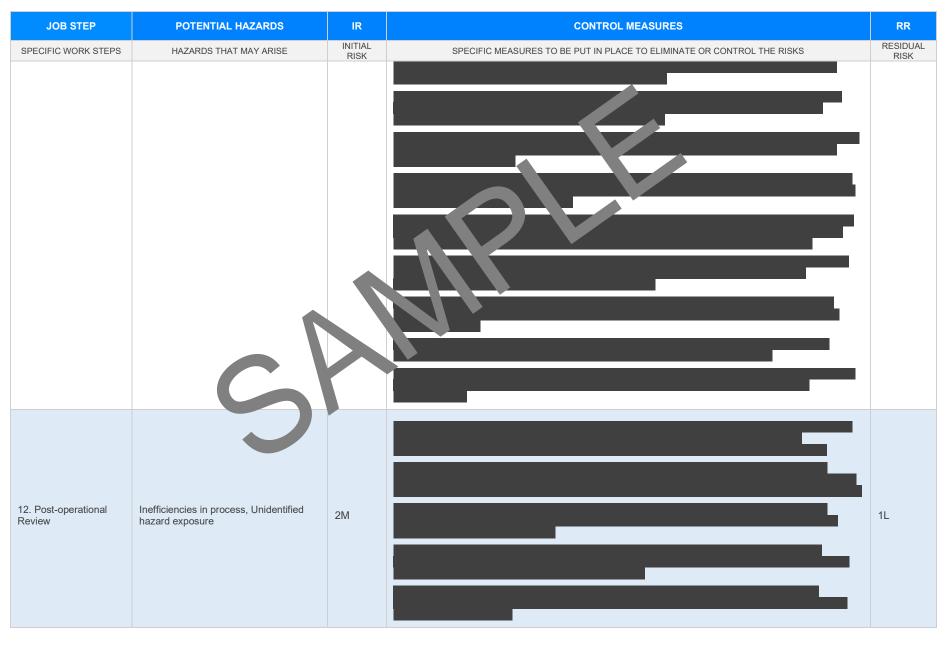






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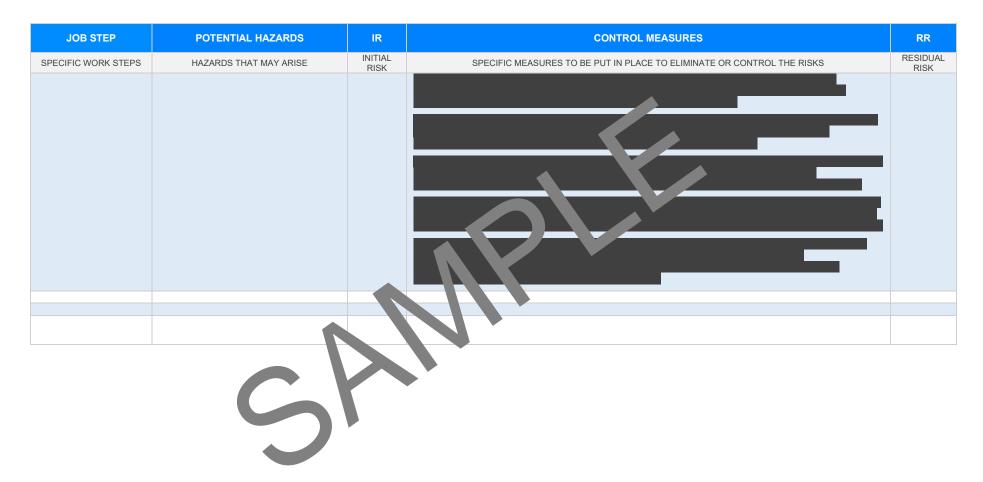




Version 2.5

Date of Issue:







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 LEGISL	
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 Orchpational Health an exafety Action 04 Occupational Health and exafety or gulations 2017 Legis from VIC: https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations or gles on exactice VICe.attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice
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/legislatic Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic	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: https://worksafe.nt.gov.au/laws-and-compliance/wd-place-subv-laws Codes of Practice NT: https://worksafe.nt.gov.au/laws-and-compliance/wd-place-subv-laws	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: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice	 First aid in the workplace Managing the risk of falls at workplaces Hazardous manual tasks Managing the risk of falls in housing construction Managing electrical risks in the workplace Demolition work Excavation work Work health end enfety consultation, connection and coordination
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work - Any required documents.	 Work health and safety consultation, cooperation and coordination Managing the work environment and facilities How to manage work health and safety risks Managing risks of plant in the workplace Construction work



SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and gualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Safe Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Worker Name	Signature	Date

SAFE WORK N THE ST ATEM ANT MONITORING AND REVIEW

d must reviewed (and

hav be sted by the operation

should be carried out in

The SWMS must be reviewed regularly to make sure it remains fective revised if necessary) if relevant control measures are revised. The viewn consultation with workers (including contractors htractors Vb of the SWMS and their health and safety representatives who represented that work group at the workplace.

When the SWMS has been revised the PCBU must ensure that persons involved with the work are advised that a revision has been made and how they can acces he revised SWMS, including all persons who will need to change a work procedure or system as a region of the review are advised of the changes in a way that will enable them to implement their duties antly with the revised SWMS. All workers that will be involved in the work must be provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.

The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to:

- 1. Spot Checks.
- 2. Consultation with workers, contractors and sub-contractors.
- 3. Internal audits on a continual basis.

An approach of continuous improvement, promptly recording inconsistencies or deficiencies. followed up by immediate corrective action and consultation with all relevant personnel ensures that the PCBU is consistently developing ever-improving systems of safe work principles.

REVIEW NUMBER	1	2	3	4	5	6	7
NAME							
INITIALS							
DATE							



SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	COMMENTS
The company details have been entered, including the project name and address.		
All relevant personnel consulted during the development of the SWMS.		
Name, signature, position and date signed of the person approving the SWMS.		
Specific personnel and qualifications, experience is noted in the SWMS.		
Provides a step-by-step process of tasks required to carry out the activity or task.		
Adequate risk assessment of any identified hazards has been completed.	\boxtimes	
Foreseeable hazards are identified and documented for each step.	\boxtimes	
Any hazards listed in any site risk assessments have been added to the SWMs	\boxtimes	
SWMS initial risk (IR) column as well as residual risk (RR) column mpleted.	\boxtimes	
Check control measures added to the SWMS are the most effective selection	\boxtimes	
Responsible person is assigned and listed on the 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