Pump Down Refrigeration C	Circuits SAFE WORK MET	HOD STATEMENT (SWMS)	
TASK OR A	ACTIVITY: Pump Down Refrigera	tion Circuits	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E ail:	
THIS SAFE WORK METHOD	STATEMENT IS APPRO	THE PC. OF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conductive proposed work starts.	ucting a business or under thing (Part U) is	required to entry of that a safe work method	statement (SWMS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitorin	compliance of the SWN, was well as re	views and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS	NALE OF ALL RELEVANT PERSONN EVELOPMENT AND APPROVAL OF	IEL WHO HAVE BEEN CONSULTED AND	COMMUNICATED TO IN THE
Safety meetings or toolbox talks will be scheduled in according to with regislative requirements to first identify any site hazards, and a cordinate those hazards and then to further take steps to either eliminate or conal leach hazard.			
If an incident or a near miss occurs, all work must store an undately. 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:	
☐ involves a risk of a person falling more than 2 meters	d 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 integrity structure	\Box is carried out in an area that may have a contaminated or flammable atmosphere
□ involves, or is likely to involve, disturbing as the set of the	□ involves tilt-up or precast concrete
involves structural alteration or repair the requires to prary support to prevent collapse	\Box 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 the first or tunnel involving use of explosives	\Box is carried out in areas with artificial extremes of temperature.
\Box 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	800DF	ACTION		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 key recorde		Engineering Isolate the hazard.		
is the second m	archy of Controls: lost effective metho loging the work is t	od of controlling	a hazard. Engine	ering by isolat	ion is the in nost	e. tive, while	rd. Substitution Administrative east effective		Administrative Change the work. PPE		

		Select the an	propriate PPL	PERS	VAL TEC	TIVE EQUIPM oment used or	ENT (PPE) the iob task	being perfor	med (if applica	able).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION			RL SPIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	Required:					_					
	P	ermit or Lice	nses Requiren	nents		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, Exposure to harmful refrigerants	2М	 Conduct a pre-start meeting to discuss the work plan, potential hazards, and control measures with all team members. Ensure all personnel are wearing appropriation on all protective equipment (PPE), including gloves, safety goggles, and non-slip footwear. Inspect the work area for any neven surfaces on estatus that could lead to trips and falls, and clear these hazards where ressible. Place warning and an interse numbers on manage spills of refrigerants or other substances that may create the vicinity. Usen to trays and abs opent materia we manage spills of refrigerants or other substances that may created or substances that such a safety or such as ladders in subfolding, it is secure footing. Ensure rentilizion systems are operational to mitigate exposure to harmful refrigerants by dissipating valuer in enclose spaces. Equip or worker involved in the pump-down process with a portable refrigerant detector to identify it ential leaks quickly. Onduct regular checks on hoses, valves, and connections in the system to ensure they are in good working order and do not pose a leakage risk. Implement a buddy system where workers monitor each other for signs of exposure to harmful refrigerants. Develop and rehearse emergency procedures in case of spills or refrigerant exposure, so all workers know their roles and actions required. Store refrigerant containers securely and away from high-traffic areas to prevent accidental tipping and to minimise exposure risk. 	1L
2. Gathering Tools and Equipment	Inappropriate tools, Handling heavy equipment	ЗН	 Select tools specifically designed for refrigeration systems to ensure precision and prevent damage. Conduct regular inspections of tools to identify and replace any items that are damaged or worn out. Use appropriate manual handling techniques to lift and move heavy equipment, such as bending the knees and keeping the load close to the body. Employ mechanical aids like trolleys and hoists to transport heavy equipment safely and minimise physical strain on workers. Ensure all personnel involved are trained in the correct use of refrigeration tools and equipment. Clearly label and organise tools in a designated storage area to prevent confusion and misuse. 	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 Conduct a pre-work briefing to confirm everyone understands the proper procedures and equipment needed. Wear suitable personal protective equipment (PPu, such as gloves and steel-toed boots, to safeguard against injuries while handling tools and equipment. Limit access to the work area to authorise personnetically to reduce the risk of accidents or interference. Establish a clean and organised workspace to poid clutter and tripping hazards that could lead to injury or tool damage. 	RESIDUAL RISK
3. Switching off power supply	Electrical shock, Faulty equipment	4A	 Ensure all persentence well a strained and competent in electrical safety procedures. Verify the enver supply intervenenced by using appropriate testing equipment. Use insulate upols and ear person subtective equipment, such as rubber gloves and safety footwear. Implement locks agout procedures to prevent accidental re-energisation of the circuit. Conduct a sisual interaction of equipment for signs of damage or wear before commencing work. Use volge and gloves when handling electrical components. Ensure that a obtified electrician performs or supervises the work involving switching off the power supply. Nost clear signage to warn others that electrical maintenance is being performed. Confirm that emergency shutoff switches are easily accessible and functioning properly. Establish a communication plan for team members, including emergency contact procedures. 	2M
4. Test pressure of the system	Pressure injury, Faulty equipment	ЗН		2M

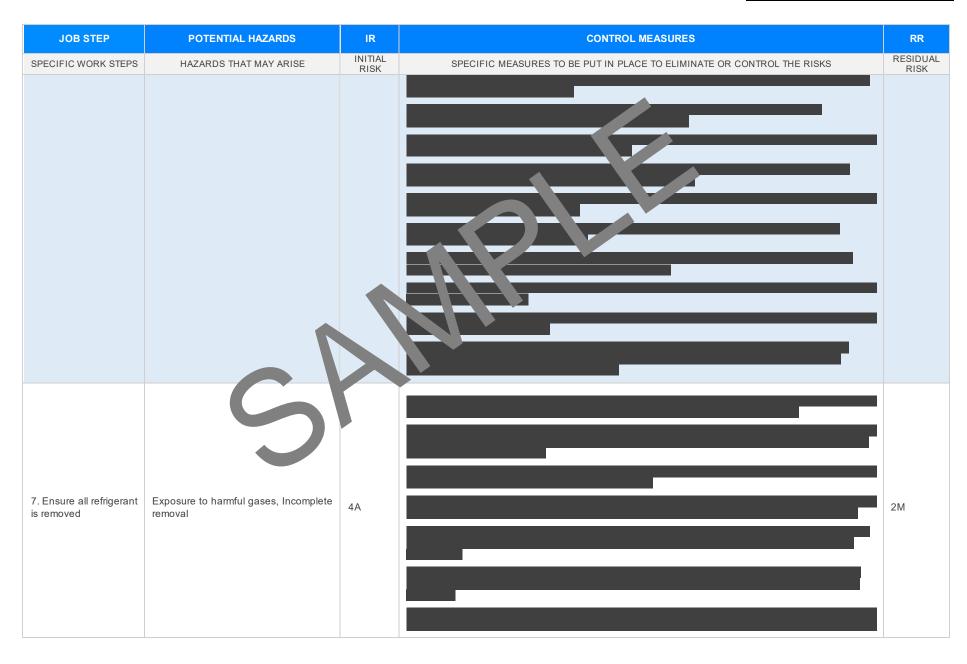
Version 2.5



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
				•
				•
				1
5. Remove refrigerant rom system	Exposure to harmforgases, Pressure injury	4A		2M
ion system	injury			
6. Open valves and pump down system	Physical damage, Loose fittings leaks	3H		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
8. Seal system	Unsecured seals, Leaks leading to exposure	RH		
9. Inspect for any remaining refrigerant	Exposure to harmful gases, Insufficient inspection	ЗН		2M

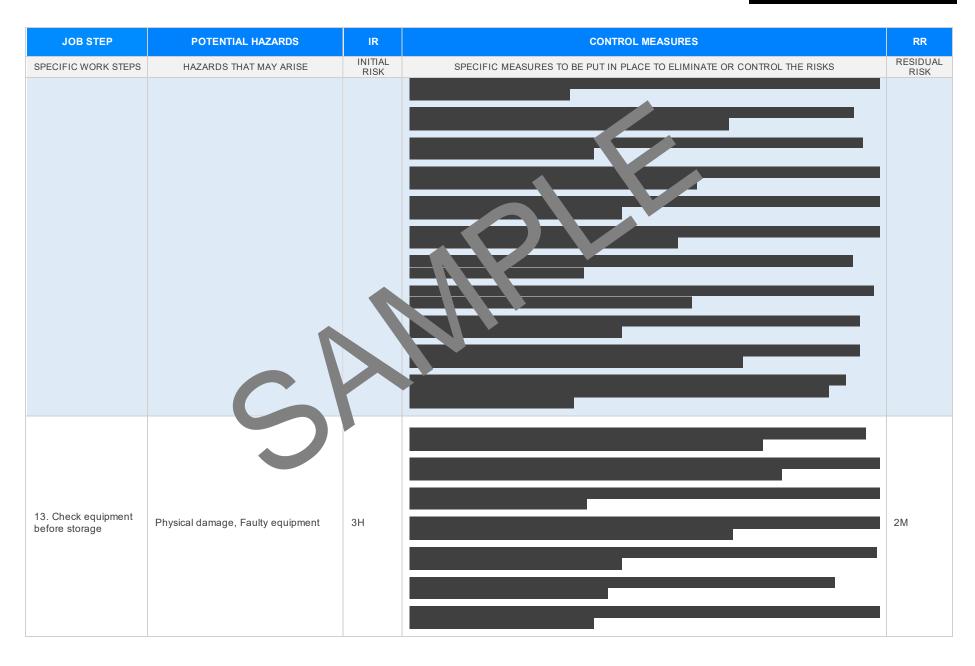


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
10. Disconnect Equipment	Faulty equipment, Electric Lick	ЗН		2M



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
11. Clean up work area	Trips and slips, Leftover hazardous materials	2M		1L
12. Dispose of collected refrigerant	Incorrect disposal, Spillage leading to exposure	3H		1L





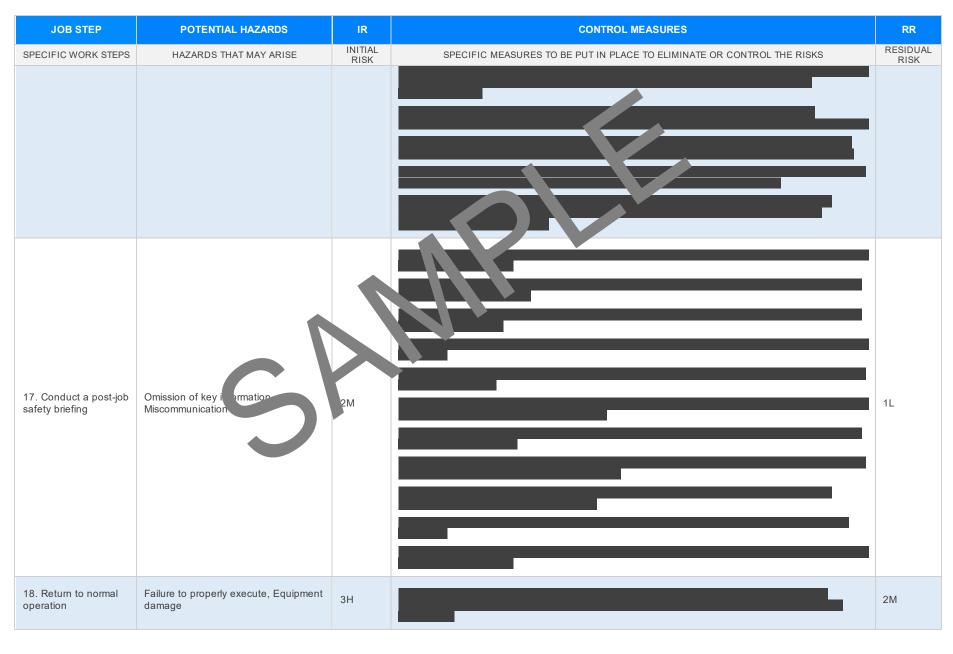






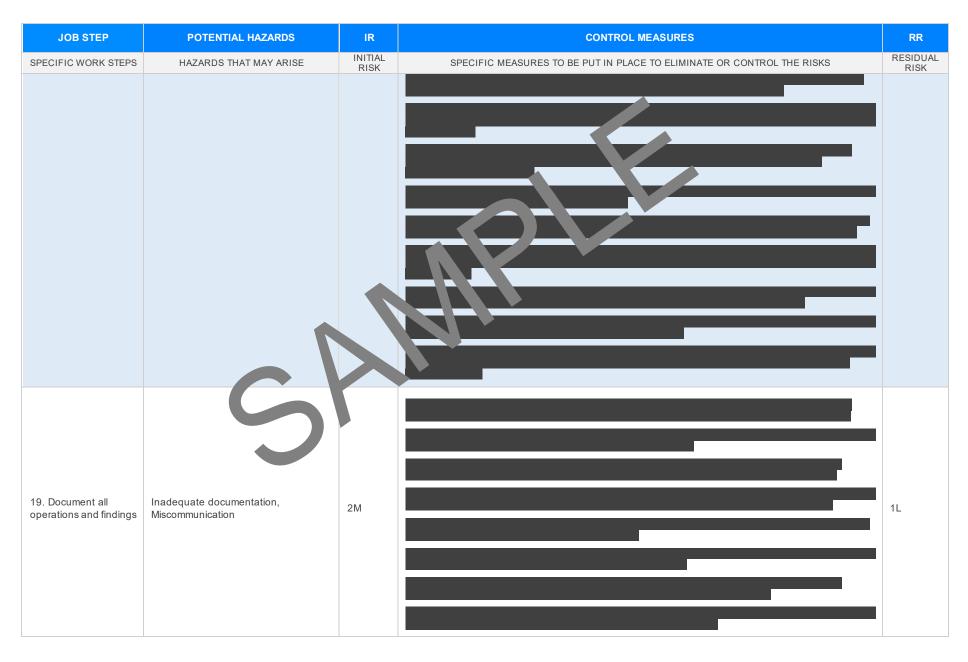
JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
15. Report any incidents or near misses	Incomplete reporting, Miscommunication	2М		
16. Review work process for improvements	Overlooked hazards, Inefficiencies in process	2M		1L





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
20. Follow-up on reported incidents	Unresolved issues, Intermycellow-ups			1L

Version 2.5

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 LEGISLATIVE REFERENCE. IN ANY STATISTICAL 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.gld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.gld.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 Octopational Health and Safety Arec2004 Octopational Health and Safety Arec2004 Legis Jon VIC: <u>https://www.arksafe.vic.gov.au/occupational-health-and-safety-act-and- gulations</u> Ides on Factice VIC <u>attps://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/legis Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legis	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 201 Work Health and Safety (National Uniform Legislation) Regulate s 20 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance</u> , <u>prkplate</u> <u>fety-la</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance</u> , <u>prkplate</u> <u>fety-la</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-</u> <u>codes-of-practice</u>			
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (S. Legislation for SA: https://www.safework.sa.gov.au/resources_gislation Codes of Practice for SA: https://www.safework.sa.gov.au/w_vplaces/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 Find a dia 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: 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 and safety consultation, cooperation 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.	 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 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	Signature	Date

SAFE WORK THE S ATEM AT MONITORING AND REVIEW The SWMS must be reviewed regularly to make sure it remain effect. and mu be reviewed (and The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are revised if necessary) if relevant control measures are revised. The s should be carried out in effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The view consultation with workers (including contractors person responsible for monitoring the effectiveness of the Safe Work Method Statement should ntractors nay be cted by the operation of the SWMS and their health and safety representatives who rep sented that work group at the employ a multi-faceted approach which includes but is not limited to: workplace. 1. Spot Checks. When the SWMS has been revised the PCBU must ensure the all versons involved with the work are 2. Consultation with workers, contractors and sub-contractors. advised that a revision has been made and how they can acce the revised SWMS, including all persons 3. Internal audits on a continual basis who will need to change a work procedure or system as a reof the review are advised of the changes in a way that will enable them to implement their duties ntly with the revised SWMS. All workers that An approach of continuous improvement, promptly recording inconsistencies or deficiencies, will be involved in the work must be provided with the relevant information and instruction that will assist followed up by immediate corrective action and consultation with all relevant personnel ensures them to understand and implement the revised SWMS. 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.	\boxtimes	
Name, signature, position and date signed of the person approving the SWMS.		
Specific personnel and qualifications, experience is noted in the SWMS.	7	
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.	\boxtimes	
Any hazards listed in any site risk assessments have been added to the Sλ. S.	\boxtimes	
SWMS initial risk (IR) column as well as residual risk (RR) column completed.	\boxtimes	
Check control measures added to the SWMS are the most effective sections.	\boxtimes	
Responsible person is assigned and listed on the spiral of the spiral entry of control measures.	\boxtimes	
Permit or licenses requirements specified, so in as Hot Work, Electrical Work, Work at Heights etc.	\boxtimes	
SWMS identifies plant and equipment to be	\boxtimes	
Details of inspection checks required for any equipment lister are noted on the SWMS.	\boxtimes	
Describes any mandatory qualifications, experience, ang or skills required to perform the work.	\boxtimes	
Applicable personal protective equipment is selected on the SWMS.	\square	
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 REVIE	EWED
SIGNATURE	DATE COMP	LETED