Digging Trench For Pipe L	aying   SAFE WORK METH	HOD STATEMENT (SWMS)	
TASK OR	ACTIVITY: Digging Trench For F	Pipe Laying	
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 condu the proposed work starts.	cting a business or under thing (Port 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, monitoring the second seco	compliance of the SWI, as well as re	eviews and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS HAVE THE FOLLOWING COMMUNICATED	NACE OF ALL RELEVANT PERSONN EVELOPMENT AND APPROVAL OF	IEL WHO HAVE BEEN CONSULTED AND THIS SWMS	COMMUNICATED TO IN THE
Safety meetings or toolbox talks will be schedued in accounce with regislative requirements to first identify any site hazards, to control to those hazards and then to further take steps to either eliminate or control leach hazard.			
If an incident or a near miss occurs, all work must stude or diately. 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 integritystructure	$\Box$ 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	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 key recorde		Engineering Isolate the hazard.		
is the second m	Low       Low       MODERATE       High       Low       Rc record       Model in Land         Index on Hierarchy of Controls:       Elimination methods are the most effective and prefer       en control g a hazard. Substitution       Administrative       Change the work.         Index on Hierarchy of Controls:       Elimination methods are the most effective and prefer       en control g a hazard. Substitution       Change the work.         Index on Hierarchy of Controls:       Elimination methods are the most effective and prefer       en control g a hazard. Substitution       Change the work.         Controls by changing the work is the fourth most effective method.       PPE (Personal Proteriore integration of the set of t										

	PERS_NAL TO TECTIVE EQUIPMENT (PPE) Select the appropriate PPL about suitable for the equipment used or the job task being performed (if applicable).										
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	Unclear work instructions, Lack of proper planning	ЗН	<ul> <li>Communicate the scope of work to all terminembers clearly.</li> <li>Provide detailed work instructions and entrie communension.</li> <li>Conduct a site assessment prior to commence work.</li> <li>Ensure that all necessary primits and consent use obtained.</li> <li>Develop a comprehensive workplan including timeses and resources.</li> <li>Assign roles and responsibilities wall worker mearly.</li> <li>Ensure all workers have oppropriate and g and qualifications.</li> <li>Continue a tool work of coused on the task at hand.</li> <li>Idem vanit marks derground services before starting.</li> <li>Ensurnall horessary equipment and PPE is available and in good condition.</li> <li>Implement a communication plan for regular updates and feedback.</li> <li>Create at emergency response plan specific to the trenching task.</li> </ul>	2M
2. Site Assessment	Unidentified underground utilities Inadequate soil analys	4A	<ul> <li>Induct a thorough site survey using up-to-date utility maps before starting work.</li> <li>Engage a qualified utility locator to inspect the site for any unidentified underground utilities.</li> <li>Perform a Dial Before You Dig check to get information on the location of underground services.</li> <li>Clearly mark identified underground utilities with paint, flags, or stakes.</li> <li>Provide workers with proper training on recognising and avoiding underground utilities.</li> <li>Implement the use of ground-penetrating radar (GPR) to identify potential hazards in the soil.</li> <li>Assess the soil type and stability through appropriate geotechnical investigations.</li> <li>Prepare a comprehensive soil analysis report to understand its characteristics.</li> <li>Establish exclusion zones around areas identified with high risks.</li> <li>Use trench shields or shoring systems to support unstable soil during excavation.</li> <li>Continuously monitor the site conditions throughout the digging process to detect any changes.</li> </ul>	ЗН
3. Area Set-Up	Unauthorised access, Insufficient warning signs	ЗН	<ul> <li>Erect temporary fencing around the trench area to prevent unauthorised access.</li> <li>Install sufficient and clearly visible warning signs around the worksite indicating "Danger: Excavation Work" or similar.</li> <li>Utilise barriers such as cones or physical barricades to delineate the work zone.</li> </ul>	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
			- Ensure all workers wear high-visibility clothing to increase visibility on-site.	
			- Implement a site security system, such as an alarm or guard, during non-work hours to deter unauthorised access.	
			- Conduct a toolbox talk with all workers about the importance of preventing unauthorised access and recognising warning signs.	
			- Provide adequate lighting in and around the tree is area for improved visibility, especially if work continues during low light conditions.	
			- Post a trained spotter at the ontrance of the we site transmitor and control access.	
			- Use lockable gate cess, ints where possible to restrict entry to the excavation zone.	
			- Clearly marking designand peder ian patheness away from the trench area to guide individuals safely through the safety.	
			- Recently inspire tan maintain all wanting signs and barriers to ensure they are intact and highly visible.	
			- Estatist in emergency response plan that includes procedures for dealing with unauthorised access or other in ridul is within the trench area.	
4. Establish Perimeter	Inadequate barrit sting, Trivers ets	ЗН		2M
5. PPE Inspection	Defective equipment, Non-compliance with PPE requirements	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
6. Soil Testing	Incorrect soil classification, Exposure to contaminants	4A		3H



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	Damage to existing services, Inaccurre, in marking	IR INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RR RESIDUAL RISK
8. Shovel Digging by Hand	Musculoskeletal injuries, Manual handling accidents	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
9. Machinery Setup	Incorrect operation suchine-malfunction	TA		3H
10. Excavation Start	Cave-ins, Falling debris	4A		3Н

Version 2.5

Date of Issue:

8



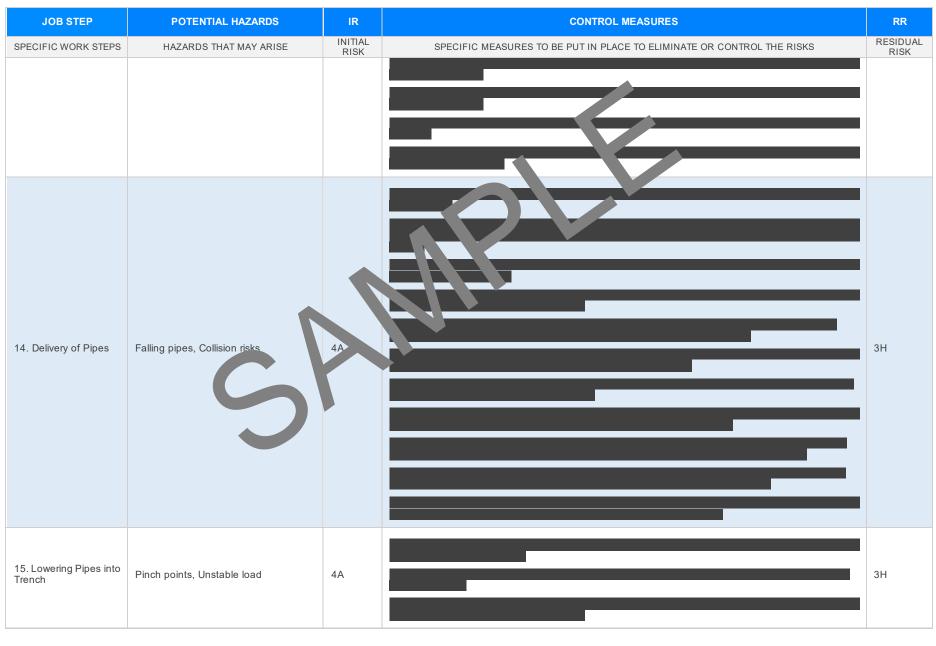
POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Exposure to harmine use, inaccure readings	44		ЗН
Heavy lifting injuries, Dust inhalation	ЗH		2M
	HAZARDS THAT MAY ARISE	HAZARDS THAT MAY ARISE       INITIAL         RISK       INITIAL         RISK	HAZARDS THAT MAY ARISE INTRAL RISK SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS

Version 2.5



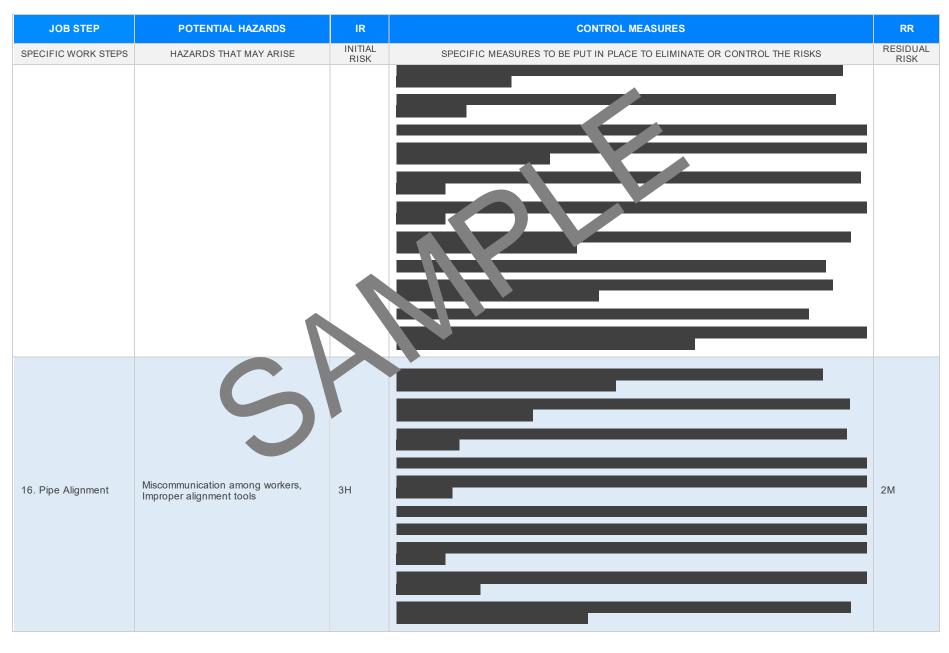
JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
13. Installation of Pipe Bedding	Crushing injuries, Misalignment issues	4A		I 3Н





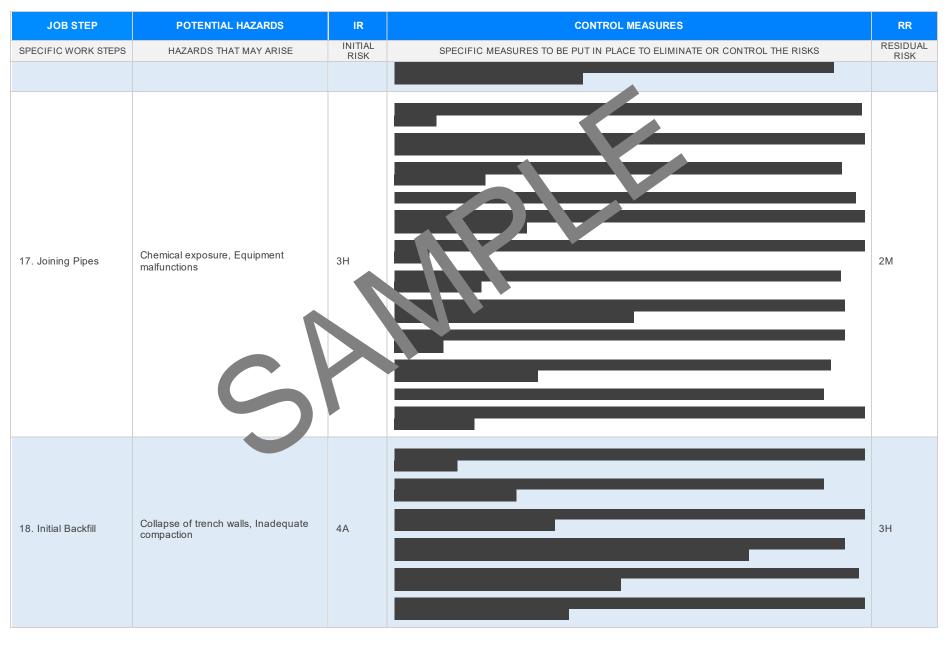
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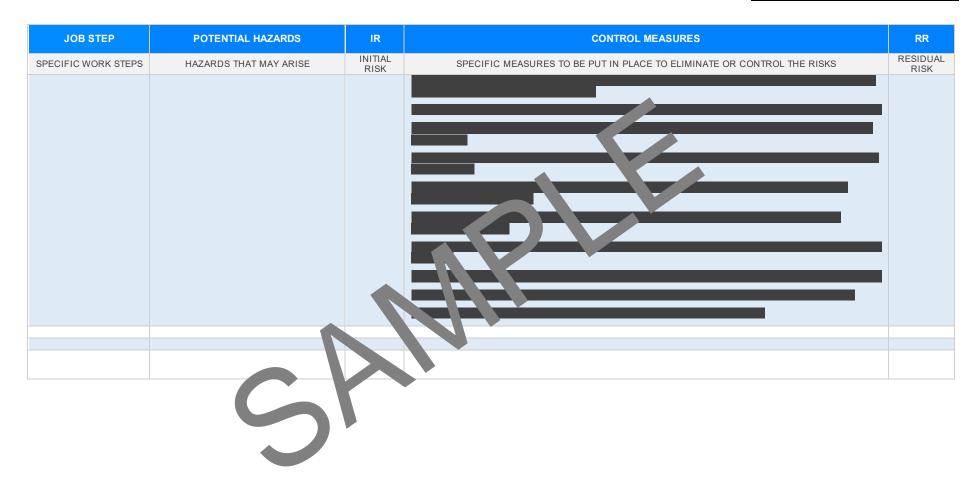


Version 2.5



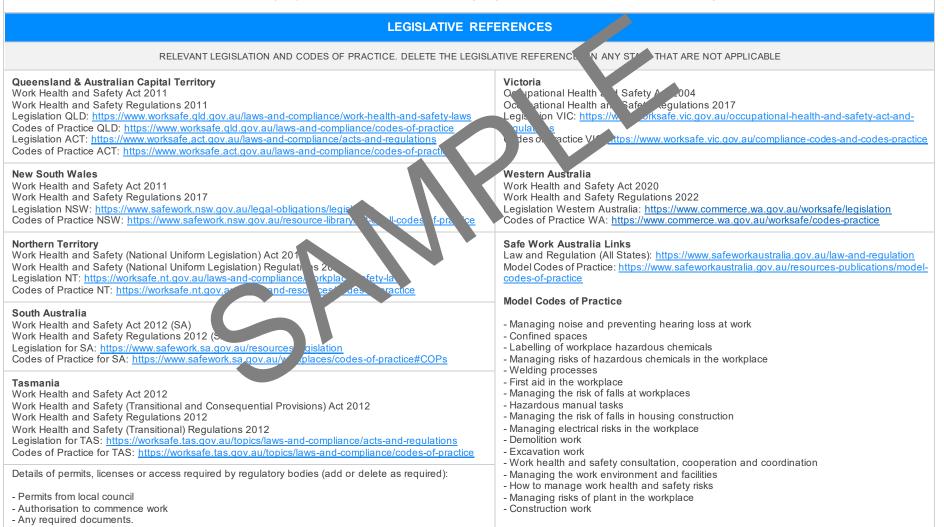
JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
19. Final Backfill	Overfilling, Soil settling issues	314		2M
20. Site Clean Up	Leftover debris, Verification of completion	ЗН		2M





#### **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.



#### 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 REVIEWED	
SIGNATURE	DATE COMPLETED	