

Angular I	Drilling Procedures Risk As	ssessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC		
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



				F	RISK MATRIX			
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
Risk Rating & Required Action: 4A Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or hit er-level authorisatic is required. 3H Review and approve additional corrols to come task parts. Senior supervisor sign-off needed. 2M Ensure all nominated controls are imprace and efficience with caution; monitor conditions. 1L Proceed, following standard operating procedures wonitor and keep records. Consequence Scale:						Notes on Hierarchy of Controls: Remember to apply controls in the preferred order shown by the coloured pyramid: 1. Eliminate 2. Substitute 3. Isolate 4. Engineering 5. Administrative 6. PPE		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Work (2023) and ISO 45001:2018 clau Minor breach; adverse client comment			
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
				ule Deviation caught and corrected on site				



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	manual handling, trip hazards	ЗН	 Conduct a pre-work area inspection for tripping hands. Provide training on proper manual handling to uniques. Use appropriate personal protective equipment (PPE) including gloves and steel-capped boots. Demarcate and tidy work areas to reduce tripping hands. Ensure all tools and equipment are in good working condition: Maintain proper housekeeping ractices. Assign tasks accounting revorke repacity to avoid overexertion. Use lifting the where possible. Rotate tasks terminimient epetitive struct. Complexing unique with a training the struct. 	1L
2. Transportation of Equipment	equipment falling, vehice and dent	2	 Securi all extrement operly using restraints during transport. spectrahicle is roadworthiness before use. Follo incload and traffic rules. se a qualified driver with valid licenses. Fvan routes to avoid hazardous areas and high traffic. Load equipment according to weight distribution protocols. Conduct a pre-trip safety meeting. Install warning signs on vehicles carrying oversized loads. Implement a two-person rule for checking and securing loads. Regular inspection of vehicle tie-downs and restraints. 	2M
3. Site Setup	struck by moving plant, environmental conditions	4A	 Establish exclusion zones around the drilling site marked with barriers. Ensure all personnel use high visibility clothing. Monitor weather conditions regularly and plan accordingly. Use machinery under supervision with trained operators. Provide shade and hydration stations for heat stress. Develop emergency response plans specific to weather events. Monitor noise levels and enforce hearing protection protocols. Conduct induction training focusing on site-specific hazards. 	2М



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			- Conduct regular toolbox talks for dynamic risk assessments.	
			- Implement communication protocols for all operations.	
4. Equipment Inspection	equipment failure, electrical hazards	4A		2M
5. Drill Setup	structural failure, ruse hazards	4A		2M
6. Alignment of Drill	misalignment, machine entanglement	ЗH		1L

Version 2.5



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7. Drill Operation	rotating parts, dust generation	4A		2M
8. Monitoring Drilling Parameters	pressure build-up, instrumentation failure	4A		2M
9. Managing Drill Waste	chemical exposure, ground contamination	4A		ЗН



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10. Emergencies and Shutdown	fire, uncontrolled release	4A		2M
11. Drill Retract and Site Cleanup	slips and trips, handling equipment	ЗН		1L
12. Reviewing Procedures	inadequate documentation, procedure lapses	3Н		1L

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13. Training and Competency	untrained personnel, knowledge gaps	ЗН		1L
14. Communicating Changes	ineffective communication, resistance to change	ЗН		1L



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15. Closing Out Operations	improper shutdown procedures, unauthorised access	ЗН		1L
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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 RE	FERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISL	LATIVE 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/codes-of-practice</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Occupational Health at Safety Actor 04 Occupational Health and onfety or gulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-oulations</u> Unless on vactice VIC <u>autps://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/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/worplace-serve-laws Codes of Practice NT: https://worksafe.nt.gov.au/formers/legislations/legislat	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/word_aces/codes-of-practice#COPs Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 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
Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</u> Codes of Practice for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</u> Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council	 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
- Authorisation to commence work - Any required documents.	- Construction work