

VEHICLE MOUNTED BOREHOLE DRILLING SAFE WORK METHOD STATEMENT (SWMS)

Business Contact:	Phone #:	Principal Contractor (PC):
Responsible person (for monitoring SWMS and work):		PC Address:
Signature:	Date:	PC Phone #: Date SWMS provided to PC:
Contact Phone #:		Job Site Address:

SITE MANAGEMENT PLAN	Is the work associated with a Construction Project? <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes – This SWMS must align with requirements of the Site Management Plan in place for the Construction Project.
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THIS WORK ACTIVITY INVOLVES THE FOLLOWING “HIGH-RISK CONSTRUCTION WORK” (HRCW - IDENTIFIED IN THE JOB TASK COLUMN)

<input type="checkbox"/> Confined spaces	<input checked="" type="checkbox"/> Mobile plant movement	<input type="checkbox"/> Demolition of a load-bearing structure	<input type="checkbox"/> Asbestos disturbance
<input type="checkbox"/> Using explosives	<input type="checkbox"/> Diving work	<input type="checkbox"/> Artificial extremes of temperature	<input type="checkbox"/> Tilt-up or pre-cast concrete
<input type="checkbox"/> Pressurised gas distribution mains or piping chemical, fuel or refrigerant lines energised electrical installations or services			
<input type="checkbox"/> Structures or buildings involving structural alterations or repairs that require temporary support to prevent collapse			
<input type="checkbox"/> Involves a risk of a person falling from 2m or more, including work on telecommunications towers		<input type="checkbox"/> Work in a ceiling space (W.A. Only)	
<input type="checkbox"/> Working at depths greater than 1.5 metres, including tunnels or mines		<input checked="" type="checkbox"/> Work in an area that may have a contaminated or flammable atmosphere	
<input checked="" type="checkbox"/> Work carried out adjacent to a road, railway or shipping lane, traffic corridor		<input type="checkbox"/> In or near water or other liquid that involves the risk of drowning	

WORKING WITH A RISK OF A FALL OVER 2 METRES - Select the fall from height 'hierarchy of control level' considered when establishing controls:

<input type="checkbox"/> L 1: Work on the ground or solid construction	<input type="checkbox"/> L 4: Use a fall arrest system e.g., safety harness, catch platforms
<input type="checkbox"/> L 2: Use a passive fall restraint system e.g., guard rails, scaffolding, EWP	<input type="checkbox"/> L 5: Implement administrative controls e.g., signage, or instruction
<input type="checkbox"/> L 3: Use a work positioning system e.g., travel restraint, rope access	<input type="checkbox"/> Other?

More than one of these measures to reduce risk can be used. For example, engineering controls like edge protection can be implemented with administrative controls like training and use of this SWMS, while wearing PPE (non-slip shoes). Please describe why it is not reasonably practicable to use higher-order control measures. E.g. The job is less than 5 minutes on a ladder.

JOB TASK	HAZARDS	IR	CONTROL MEASURES		RR	RESPONSIBLE PERSON
			<i>INHERENT RISK-RATING (IR) BEFORE CONTROLS - RESIDUAL RISK-RATING (RR) AFTER CONTROLS</i>			
	Struck by objects under pressure	4A	<ul style="list-style-type: none"> Hoses, couplings, seals and lines appropriately rated for the compressed air and hydraulic systems Emergency stops on the drill rig clearly marked and working correctly At least one emergency stop must be located at the control panel Couplings and fittings checked by a competent person regularly Whip checks appropriately rated and restrained. 		2M	
	Trips and falls	3H	<ul style="list-style-type: none"> Use the provided steps/handholds when accessing the vehicle Do not jump off the vehicle Do not carry tools or supplies when you try to mount/dismount Do not use any controls as handholds. 		2M	
	Dust inhalation	3H	<ul style="list-style-type: none"> Set-up so that dust directed away from the operator Anyone required to wear respirators trained in respirator use Disposable respirators replaced regularly to prevent the build-up of dust. 		2M	
	Falling objects	3H	<ul style="list-style-type: none"> Always wear hard hats when operating or walking near the rig Ensure all rig components are regularly inspected and maintained. Secure high-risk components with a restraint (e.g. chains, wire slings) Plan tasks to minimise the requirement for working at height. Identify drop zones and restrict access to them. 		2M	
	Hearing loss	3H	<ul style="list-style-type: none"> Hearing protection worn by all people throughout exposure to noise. 		2M	
11. HRCW Maintenance on-site	Crush injuries	4A	<p>⚠ Do not rely on a hydraulic system to hold any part of the equipment in the raised position during maintenance. Always use installed lift brace equipment or suitable WLL blocks/jacks</p> <ul style="list-style-type: none"> Before commencing maintenance/repairs. Ensure: <ul style="list-style-type: none"> The machine parked on level ground The parking brake is engaged Engine is stopped Engine start switch key turned off, and the engine start switch key removed The battery disconnect switch is in the OFF position and removed Equipment fully lowered before starting maintenance Never work equipment unless it is supported. 		2M	Supervisors to check all controls in place and followed Workers to follow controls and make supervisor aware of any issues
	High-pressure lacerations &/or burns	3H	<p>⚠ Escaping hydraulic fluid under pressure can have sufficient force to penetrate the skin. If injured by escaping fluid, obtain medical treatment immediately.</p> <ul style="list-style-type: none"> Do not use bare hands if searching for hydraulic leaks – use a piece of cardboard, timber etc. to identify the location of the leak 		2M	

JOB TASK	HAZARDS	IR	CONTROL MEASURES		RR	RESPONSIBLE PERSON
			<i>INHERENT RISK-RATING (IR) BEFORE CONTROLS - RESIDUAL RISK-RATING (RR) AFTER CONTROLS</i>			
			<ul style="list-style-type: none"> Replace any hydraulic hose immediately that shows signs of swelling, wear, leaks or damage before it bursts Cleaning: <ul style="list-style-type: none"> Pressurised air can cause personal injury. When pressurised air is used for cleaning, wear a protective face shield, protective clothing, and protective shoes The maximum air pressure for cleaning purposes must be below 205 kPa (30 psi). 			
12. HRCW Fuelling on-site	<ul style="list-style-type: none"> Flammable atmosphere Exposure to fuel Fire Burns Inhalation Ingestion Eye & skin damage 	4A	<ul style="list-style-type: none"> Follow manufacturer's manual/recommendations for refuelling DO NOT smoke during refuelling Diesel: Fire extinguisher – Water, foam, dry chemical powder, CO₂ Unleaded petrol: Fire extinguisher – Dry chemical powder, foam, CO₂. <i>Never use water to extinguish an Unleaded Petrol fire</i> Avoid breathing vapours or contact with fuel Change clothing immediately if splashed with fuel Do not siphon or swallow fuel as this can be fatal Wash hands carefully after handling fuel before eating, drinking or smoking Shower and wash immediately after work & wash clothes in separate wash from other clothes. 		2M	Supervisor and workers to ensure control measures followed
13. HRCW On completion	Unauthorised access	3H	<ul style="list-style-type: none"> If acceptable, remove or add barricades Ensure machine is parked in a safe, level area, clear of unstable or sloping ground Store the key in a safe place (restrict unauthorised access). 		2M	Supervisor to confirm all workers have signed out Workers to comply with controls
	Inhalation of dust	3H	<ul style="list-style-type: none"> Clean up using a vacuum or wet cleaning methods Ensure an industrial vacuum used with HEPA filter (High-Efficiency Particulate Air) Use, maintain and store any respiratory protective equipment provided following instructions Wash face and hands with soapy water. Pay attention to under the fingernails. 		2M	
	Security breach	3H	<ul style="list-style-type: none"> All personnel sign-out on Site Register. 		2M	
	Vehicle/people impact	4A	<ul style="list-style-type: none"> Stay to designated access and egress routes Maintain awareness of surroundings. 		2M	
14. Emergency response	<ul style="list-style-type: none"> Injury Fatality Environmental damage 	4A	<ul style="list-style-type: none"> For police, fire or ambulance call '000.' Follow site emergency and evacuation procedures A communication system is available, e.g. a mobile phone or radio Check for dangers to self before helping others Maintain control of the area and stabilise the situation Apply first aid to the injured worker 		2M	Supervisors and workers ensure controls followed