

POOL GAS HEATER-HEAT PUMP 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)

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| <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 checked="" 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 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:

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|---|---|
| <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.

Personal Protective Equipment (PPE)											
FOOT PROTECTION	HEARING PROTECTION	HIGH VISIBILITY	HEAD PROTECTION	EYE PROTECTION	FACE PROTECTION	HAND PROTECTION	PROTECTIVE CLOTHING	BREATHING PROTECTION	SUN PROTECTION	SAFETY HARNESS	Do not wear rings, watches or jewellery that may become entangled. Long and loose hair must be tied back.
											<input checked="" type="checkbox"/>
JOB TASK	HAZARDS	IR	CONTROL MEASURES							RR	RESPONSIBLE PERSON
			<i>INHERENT RISK-RATING (IR) BEFORE CONTROLS - RESIDUAL RISK-RATING (RR) AFTER CONTROLS</i>								
1. Provide training on the health effects associated with RCS	Exposure to respirable crystalline silica (RCS) – dust inhalation	3H	<ul style="list-style-type: none"> • Training and Information provided to workers on RCS should include: <ul style="list-style-type: none"> ○ Identification of RCS dust through Safety Datasheet (SDS) or labels ○ Dust exposure prevention strategies ○ Checking controls are working and using them ○ When and how to use any respiratory protective equipment provided and what to do if something goes wrong (Including worker respirator fit and check processes). 							2M	Supervisor
2. Planning	Hazardous atmospheric	4A	<p>⚠️ If work involves an identified Confined Space, a separate, dedicated 'Confined Spaces SWMS' must be used in conjunction with this SWMS.</p>							2M	Supervisor
3. Check weather conditions & prepare	Extreme weather	3H	<ul style="list-style-type: none"> • Check weather conditions – do not work in extreme conditions • Reschedule works to work in more moderate temperatures. 							2M	Supervisor to maintain awareness of weather conditions Operator to follow controls
	Hyperthermia Hypothermia	3H	<ul style="list-style-type: none"> • Ensure workers trained to recognise the symptoms of hyperthermia and hypothermia • <u>Hot conditions. Ensure:</u> <ul style="list-style-type: none"> ○ Suitable protective clothing ○ Sun brim on hard hats ○ Safety glasses - UV rated ○ Use 30+ sunscreen on exposed skin ○ Adequate drinking water ○ Access to shade on breaks ○ Adequate breaks. • <u>Cold conditions. Ensure:</u> <ul style="list-style-type: none"> ○ Schedule warm-up breaks ○ Hold breaks inside ○ Dress warmly in layers ○ Stay dry (wet clothing chills the body rapidly) ○ Workers must get out of the cold as soon as they can if starting to feel symptoms ○ Alcohol, cigarettes, caffeine and certain medications increase susceptibility to cold. 							2M	
4. Arrival on-site & assess onsite conditions	Personal injury, property damage &/or environmental incident	3H	<ul style="list-style-type: none"> • The vehicle should be positioned in a safe location, clear of traffic/vehicles/pedestrians during equipment delivery and materials removal (deploy physical barriers, caution signs as necessary) • Do not park illegally • Identify and obey all safety-related signage (check site entry requirements) 							2M	Supervisor to check the site and conduct JSA

JOB TASK	HAZARDS	IR	CONTROL MEASURES		RESPONSIBLE PERSON
			INHERENT RISK-RATING (IR) BEFORE CONTROLS - RESIDUAL RISK-RATING (RR) AFTER CONTROLS	RR	
	<ul style="list-style-type: none"> Powered mobile plant movement Struck by load Crush injuries Amputation Entanglement Fatality 	4A	<ul style="list-style-type: none"> Remove all non-essential personnel For remaining personnel, follow controls for working around the powered mobile plant: <ul style="list-style-type: none"> Do not stand behind reversing vehicles Allow sufficient distance from plant during operation Alertness at all times. Listen for reversing alarms/beepers and calls from Plant Operators Work positions should be in clear sight of plant operators Ensure an effective system of communication between the machine operator and ground workers is established before work commences. Relevant workers understand the work steps before the work commences. Groundworkers are instructed not to approach the machine until the operator has agreed to their request to approach Ensure ground workers are instructed on set distances to maintain from the machine while in operation Groundworkers instructed made familiar with the blind spots of the machine Do not work within a radius of extended booms, near stabilisers or loader buckets Never ride on components while being lifted and placed Ensure only lift by points as described in the operations manual (recommended lift points) All lift points to be clearly marked/decaded on components Ensure all lifting equipment (chains shackles.) are rated to carry the weight of the components Do not walk or work under a raised load All ground workers must wear a hard hat. 	2M	controls and make supervisor aware of any issues
	MSD injuries	3H	<ul style="list-style-type: none"> Small pumps/heaters that do not require mechanical assistance to lift Ensure safe-lifting techniques used. Example: <ul style="list-style-type: none"> Plan travel pathway Ensure individual physically ready for lift (muscles warmed up /stretches etc.) Face the load and stand close to the load Lift smoothly, do not jerk or throw load upwards Avoid any twisting and side-bending during lift When placing load onto the ground, follow instructions as above, bend knees, not back. 	2M	
13. HRCW Fixing gas heater/heat pump into position	Faulty equipment	3H	<ul style="list-style-type: none"> Before installation, all fittings thoroughly inspected for flaws created during manufacture, shipping or unloading Install as per manufacturer's instructions and regulations. 	2M	
	Contact with services	4A	<ul style="list-style-type: none"> Avoid areas that may have existing electrical, gas or water lines: <ul style="list-style-type: none"> Use a stud finder that also includes detection for metal wiring and pipes 	2M	