

Working Near Overhead Power Lines

Safe Work Method Statement (SWMS)

Note All works on the nominated activity are to be performed in accordance with this SWMS. This SWMS shall be maintained current and be available until the high-risk construction work (HRCW) to which this SWMS relates is completed. This SWMS may be reviewed and if necessary revised whenever the HRCW changes, or after any incident occurs during the HRCW, or if there is any indication that risk control measures are not adequately controlling the risks. All revised versions of this SWMS are to be retained as project records.

Where a notifiable incident occurs in relation to the high-risk construction work in this SWMS, this SWMS shall be maintained for at least two years from the date of the incident.

Date Created	5/01/2024	Project Details	26544 / 205 North Quay North Quay, Brisbane, QLD, 4000
Site Management Person Name, Title & Phone No (HB person responsible for SWMS implementation, review & monitoring)	Luke Allman 0436 404 813	Workers' Representative Name, Title & Phone No (Consulted during SWMS creation)	Casey Wait 0419 090 818
How SWMS control measures will be monitored	☒ Task Observation	☐ HSE Weekly Inspection	☐ Audits
Responsibilities	☐ Other (provide details below): Workers / plant operators follow procedure and directions of the safety observer Site Management ensure safety personnel is observing plant during work activities and monitor SWMS controls on site, and toolbox talk with operators to ensure directions are followed.		

High Risk Construction Work Applicable to the Activity		
☐ Involves a risk of a person falling more than 2m	☐ Involves, or is likely to involve, the disturbance of asbestos	☐ Is carried out in or near a confined space
☐ Is carried out on a telecommunication tower	☐ Involves structural alterations or repairs that require temporary support to prevent collapse	☐ Is carried out in or near a shaft or trench > 1.5 meters or near a tunnel
☐ Involves demolition of an element of a structure that is load bearing or otherwise related to the physical integrity of the structure	☐ Is carried out in or near water or other liquid that involves a risk of drowning	☐ Involves tilt up or precast concrete
☒ Work in an area with any movement of powered mobile plant	☐ Is carried out in an area that may have a contaminated or flammable atmosphere	☒ Is carried out in or near energised electrical installations or services
☐ Is carried out on or near chemical, fuel or refrigerant lines	☐ Work in areas with artificial extremes of temperatures	☐ Is carried out on or near pressurised gas distribution mains or piping
☐ Involves the use of explosive	☐ Is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor that is in use by traffic other than pedestrians	☐ Other (please specify):

Training & Certifications Requirements					Plant / Equipment / Tools Requirements
- General Construction Induction Training - Induction into this SWMS - Completed Esitrain T0911 Course or UETTDREL14A Work safely near live electrical apparatus as a non-electrical worker and T0790 Introduction into QLD Legislation and Codes of Practice – or equivalent authorised electrical spotter course - Plant operators hold high risk licenses for the plant operated					- Building Materials - Mobile Plant - Stationary Mobile Plant
Personal Protective Equipment Requirements					Inspection / Maintenance / Testing Requirements
☒ 	☒ 	☒ 	☐ 	☐ 	Visual inspection of any distance markers or tiger tails are maintained.
☐ 	☐ 	☐ 	☐ 	☐ 	
☐ Other (please specify):					

Risk Matrix

CONSEQUENCE			LIKELIHOOD					
Health & Safety	Environment	Quality		The event may occur only in exceptional circumstances	Not expected however the event may occur at some point	The event could occur at some point	The event will probably occur in most circumstances	The event is expected to occur or has occurred
				Rare	Unlikely	Possible	Likely	Almost Certain
Fatality Permanent Total Disability	Serious and irreversible environmental harm with costs greater than \$50,000	Severe damage to Hutchies' reputation Loss greater than \$200,000	Catastrophic	Medium	High	High	Extreme	Extreme
Significant / extensive injury or illness Permanent Partial Disability	Extensive environmental damage	Considerable damage to Hutchies' reputation Loss of \$50,000 – \$199,999	High	Medium	Medium	High	High	Extreme
Serious injury or illness resulting in lost time injury	Minor environmental damage	Hutchies' brand reputation Loss of \$5,001 – \$49,999	Moderate	Low	Medium	Medium	High	High
Injury or illness requiring medical treatment	Environmental nuisance	Minor impact to Hutchies' reputation Loss of \$501 – \$5,000	Low	Low	Low	Medium	Medium	High
Injury or illness requiring minor first aid treatment	No environmental damage	No effect on Hutchies' reputation Loss less than \$500	Insignificant	Low	Low	Low	Medium	Medium

Risk Rating	Risk Tolerance	Actions
Extreme	Unacceptable Risk	Controls are inadequate, task not to commence or continue until risk is reduced by changes to methodology and or additional control measures have been approved by the operations support teams.
High	Unacceptable Risk	Controls may be inadequate, task not to commence or continue until risk is reduced by changes to methodology and or additional control measures agreed by Project Manager in consultation with Construction Team management.
Medium	Tolerable Risk	Existing controls are monitored for effectiveness and where additional controls to reduce risk are identified controls are to be implemented.
Low	Accepted Risk	Undertake the activity with existing controls and monitor effectiveness.

Job Step	Hazards & Risks	Initial Risk	HOC	Controls (1 / Elimination 2 / Substitution 3 / Engineering 4 / Isolation 5 / Administration 6 / PPE)	Residual Risk	Person responsible for monitoring of controls
Planning to identify exclusion zone requirements	- damage to overhead power lines - damage to plant - workers exposed to electrocution	EXTREME	5	Suitably trained person and site management team member to review the overhead power lines to identify if plant operations can enter the exclusion zones (Exclusion zones for electrical parts – Part B).	MEDIUM	Site Management, Authorised Person (Safety Observer)
		EXTREME	1	- If the following can be achieved, then a safety observer zone is not required: - high voltage lines are de-energised and earthed - limiting switches are used on plant to warn of approaching zone - physical barriers are installed to prevent entry into zone	LOW	Site Management
		EXTREME	5	Where entry into the exclusion zone can happen, contact electrical authority and arrange for a site visit to determine any safety requirements and restrictions for the site – “Safety Advice on Working Near ENERGEX Exposed live Parts”.	MEDIUM	Site Management
		EXTREME	5	Once safety advice is issued, only then can you proceed with the work near the overhead power lines.	MEDIUM	Site Management, Authorised Person (Safety Observer)
		EXTREME	5	The employer is to apply to electrical authority and nominate the person who is to be the safety observer for the site during plant operations.	MEDIUM	Site Management, Authorised Person (Safety Observer)
Operating plant near or adjacent to live overhead power lines resulting in possible encroachment of exclusion zone	- contact with overhead power lines or other parts of the power lines - damage to plant and property - workers exposed to electrocution	HIGH	5	Ensure all conditions of the safety advice from electrical authority are in place	MEDIUM	Authorised Person (Safety Observer)
		HIGH	5	- Assess the type of plant to be operated so that allowances can be made for: - slewing and elevating booms - over travel of swinging hoist ropes and material lengths - environmental factors could impact during plant operations (eg wind, rain or bad light)	MEDIUM	Authorised Person (Safety Observer), Plant Operator
		HIGH	5	- Identify the exclusion zones with the following visual aids to assist operators and safety observer during operations: - red warning markers	MEDIUM	Authorised Person (Safety Observer)

Job Step	Hazards & Risks	Initial Risk	HOC	Controls (1 / Elimination 2 / Substitution 3 / Engineering 4 / Isolation 5 / Administration 6 / PPE)	Residual Risk	Person responsible for monitoring of controls
				– painted vertical markers		
		HIGH	5	• Toolbox Talk with the authorised person (electrical spotter) and plant operators prior to start.	MEDIUM	Site Management
		HIGH	5	• Operator not to operate plant unless safety observer is in place.	MEDIUM	Site Management
		HIGH	5	• Operator to comply with direction communicated by the safety observer.	MEDIUM	Plant Operator
	Directing plant or equipment near or in the exclusion zone	HIGH	5	• Check that all conditions of the safety advice from electrical authority are in place.	MEDIUM	Authorised Person (Safety Observer)
		HIGH	5	• Check communications are working and are known to the person doing the work.	MEDIUM	Authorised Person (Safety Observer)
		HIGH	5	• Check that the exclusion zone borders are in place if provided.	LOW	Authorised Person (Safety Observer)
		HIGH	5	• Observer is not allowed to perform any other duty than to observe the plant operation or work being performed.	MEDIUM	Authorised Person (Safety Observer)
		HIGH	5	• Observer can should only observe one plant operating at the one time.	MEDIUM	Authorised Person (Safety Observer)
		HIGH	5	• Observer is to stop plant or persons operations if the plant or equipment enters the identified NO GO zones.	LOW	Plant Operator
		HIGH	5	• Observer to stand in a position where he can clearly sight the physical barriers put in place and line of the exclusion zone required and the operating plant and equipment.	MEDIUM	Authorised Person (Safety Observer)
		HIGH	5	• Plant operator to operate the plant with slow and smooth movements and comply to the safety observers' directions.	MEDIUM	Plant Operator
	Plant boom or dipper arm coming in contact with live overhead power lines Electrocution	HIGH	5	• Safety observer is to direct the operator to stay seated in the plant cab until help arrives and it is safe to climb clear.	MEDIUM	Authorised Person (Safety Observer)
		HIGH	5	• Safety observer to notify the site management team – then electrical authority is to be notified.	MEDIUM	Site Management, Authorised Person (Safety Observer)
		HIGH	5	• If the plant is on fire, the safety observer is to direct the operator to safety jump from the plant by:	MEDIUM	Authorised Person (Safety Observer)

Job Step	Hazards & Risks	Initial Risk	HOC	Controls (1 / Elimination 2 / Substitution 3 / Engineering 4 / Isolation 5 / Administration 6 / PPE)	Residual Risk	Person responsible for monitoring of controls
				– standing up and climbing down onto the track – With both feet together, carefully jump off the track onto the ground – REMEMBER DO NOT TOUCH THE PLANT WHEN YOU ARE ON THE GROUND – With both feet together shuffle or hop clear of the plant by at least 3-4 metres		

Original SWMS Developed By

Company & ABN	J Hutchinson Pty Ltd (52 009 778 330)	Contact Person	Danny O'Reilly, National HSE Manager	Contact Details	1300 488 244 584 Milton Road, Toowong QLD 4066
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I acknowledge the following:

- that I have been trained in the SWMS listed above,
- the controls are clearly understood,
- my qualifications are current to undertake the activity,
- I will comply with the SWMS and I have been consulted and had the opportunity to input into the SWMS.

Print Name	Position / Trade	Signature	Date