

# Safety Advice on Working near Electric Lines



Part of the Energy Queensland Group

Work Order/Customer No: WO# 9245355

Date of Issue 12 / 11 / 2024

Person responsible for the works Adrain Wyatt

Company Name McNab Developments QLD Pty

Postal Address Level 1, 12 Neil Street Toowoomba

State QLD

Postcode 4350

Email Address [shaun.ross@mcnab.net.au](mailto:shaun.ross@mcnab.net.au)

Location of Work Site (including site label/numbers) 643 – 651 Deception Bay Road Deception Bay 4508

Details of work being performed

Concrete boom pump setup, trucks entering & exiting the site & small excavators performing landscaping activities. Tower crane shall be installed however have no potential to enter the exclusion zone. (slew lock out)  
Operating Plant, Scaffolding.

Duration of Work (Date)

From 12 / 11 / 2024

To 12 / 11 / 2025

Details of Entity Overhead/Underground Assets at the work Site (please see the reverse side for conditions)

Location of Work Site (including site label/numbers)

☐ attached Supplementary page of

Verified as insulated (on date of issue)

Voltage (e.g., 11KV)

Height or Distance (where applicable)

Eliminate the hazard.

- Placement of the overhead lines underground
- Relocation of the overhead lines to outside the Exclusion Zone/ Safety Observer Zone

Not applicable as the owner would have to underground the asset (costly)

Isolate the hazard.

- De-energise the overhead line.
- Placement of the physical barriers to prevent encroachment

Our recommendation is to always de-energise the overhead electrical line for either the duration of works or erection of scaffold.

Administrative controls

- Visual markers (tiger tails, marker flags, etc.)
- Safety observer/ Authorised Person

Marker Flags can be Organised for a Fee,

Authorised Person / Safety Observer shall be used if Encroaching on Exclusion Zone.

NO ☐

33KV  
11KV  
LV

Comments: Refer to the Guidebook for Un-Insulated Cables, Operating Plant, Vehicles & Excavation

## Live 33KV, 11KV & LV Overhead Power Lines @ P75897 Un-Insulated ##

## If entering Zone of Influence than Authorised pole hold required with engineering report ##

DBYD Inquiry/Referral NO.:

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## Ergon and Energex Mandatory Control Measures

Refer to WP1323 Electricity Entity Requirements:

Working Near Overhead and Underground Electric Lines.

Operating Plant and vehicles Near Un-Insulated Overhead Power Lines.

Un-Authorised Persons is 3M Exclusion Zone to Electric Lines, 3M for Plant and 900mm for Vehicles.

Authorised Person is 700mm Exclusion Zone to Electric Lines, 1200mm for Plant and 700mm for Vehicles.

Refer to WP1323 Section 5.2 Operating Plant & Section 7 Excavation.

Under Ground Cable Location Required

☐

Is an RPEQ Report Required

☐

### Other Comments:

Contractors are to implement their own safe methods of work.

If exclusion zone can't be maintained electrical lines must be de-energised for duration of works.

Refer to the guidebook for Un-Insulated Cables, Operating Plant and Vehicles and Scaffolding.

### Ergon and Energex Representative (Should you require further information please contact)

Name (please print) Brett Bagdonas

Telephone  
Number

0448 846 150

### Works by Ergon and Energex

A quotation for works by Ergon/Energex will be forwarded if required.

**Ergon and Energex Network Alterations/Relocation** to remove the hazard.

- Major alteration and relocation projects require a detailed design and construction approval from relevant authorities.
- Upfront payment is required for these activities.
- This may take additional time in design and planning.

**Isolation** requests to isolate the hazard.

- Isolation of a low voltage service will incur a fee – Isolation can be carried out by an electrical contractor for the purpose of reducing exclusion zones.
- A written clearance will be issued by the Ergon/Energex to confirm isolation.
- Isolation may not be possible in all cases without major network alterations.

**Visual Aids-** to assist in the visual identification of electrical equipment.

- Marker Flags/Tiger tails are a visual indicator only. NO reduction in Exclusion Zone clearances applies

### Conditions of Advice:

- Relocating, altering or isolating the electricity network may involve obtaining third party approvals, disruption to the local community or interrupting supply to customers. To carry out this work safely lead times will need to be negotiated with the Entity.
- All conductors are to be considered as uninsulated unless the integrity of the insulation has been verified by an Authorised Person
- Conductors are **verified as insulated** only at the date and time of inspection.
- Any height measurements provided are an indication only and could vary due to network or other external change.
- This safety advice does not apply to communication cables. A safe system of work must be in place to avoid contact with or damage to these cables.
- A safety observer is required if the exclusion zone has a potential to be encroached. Persons performing work must not allow any part of their body (including anything they are holding or have attached to their body) or any part of any operating plant – to encroach the exclusion zones.
- Marker Flags/Tiger tails by themselves are generally not an adequate control measure.

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## Declaration by the person responsible for the work site

I confirm the scope of the work specified above and agree to provide the Entity with written notification of any changes. I understand my obligations under the Workplace Health and Safety Act 2011 and agree to implement and comply with the safety control measures in accordance with the **Electrical Safety Code of Practice 2010—Working Near Overhead and Underground Electric Lines** and the **Electricity Entity Requirements**, to prevent any person, including anything they are holding, or any part of any operating plant from entering an exclusion zone.

I am aware of the conditions as noted on this permit

Name (please print) Shaun Ross

Telephone Number 0418 856 163

Signature

Date 13/11/2024

Time 6.30am

