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This authorisation also includes excavation work within 3 metres of Padmounts / Switching Substations (huts) / Stays / Underground Cables / HV Equipment

Section 1: To be Completed by the Contractor				
Work order number:		-		-
Permit validity:	Start		End	
This permit is issued to:	Organisation/Company:			
	Contact name:			
	Contac	Telephone Number:		
Location of activities (attach plan or map):				
Type of Powerlines:	□ HV o	verhead □ HV underground		
Distance from lines?				
Reason for and description of activities:				

a. Overhead services safe approach limits

	Activity	Assessment
1	What is the voltage of the powerline?	Volts
2	What is the maximum reach of plant?	Metres
3	What is the clearance distance between powerline and plant?	Metres
4	Is the approach distance within prescribed clearances?	Y/N
5	Based on distances, will a spotter be required?	Y/N
6	Do powerline risks need to be controlled by isolation or placed into a protected state?	Y/N
7	Based on the distance, is a SWMS required?	Y/N

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b.	Electrical Isolation:				
	Will the power lines be electrically isolated for the duration of the work? ☐ Yes ☐ No				
	If HV lines have been isolated, workers must sign on to JCU authorised HV Switching Contractor HV access permit for the work (provided by the HV switching contractor).				
	solation being conducted by:				
	□ Ergon				
	☐ JCU approved HV contractor. Name of contractor:				
c.	Safety Observer (spotter):				
	A safety observer is required to be present at all times? ☐ Yes ☐ No NOTE: Mandatory if there is a risk of any person, equipment or plant entering the exclusion zone.				
	Safety observer details: Name: Company:				
	The safety observer is trained and competent to perform the role in observing, warning and communicating with the plant operator: ☐ Yes ☐ No				
d.	Risk Assessment (or SWMS):				
	A job specific risk assessment (which maybe in the form of a SWMS) is attached to this permit?				
	□ Yes □ No				
	ion 1 Completed by (Contractor): owledgement:				
□Ⅰ	ave attached works methodology description				
☐ I agree to terms and conditions listed in this document					
☐ I will stop work if conditions change and immediately report to the JCU Representative					
Na	ne: Signature: Date:				





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Section 2:	To be Completed by JCU F	Reviewer			
JCU Reviewer - HV keyholder only:					
Reviewed:	□ Acceptable	□ Unacceptable			
Comments:					
Comments.					
Name:		Signature:	Date:		

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WHS-PRO-CHK-025k



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Terms and Conditions:

a. Methods of Excavation:

Hydrovac conditions within 3m of electrical assets:

- Electronically detect (Ultrasonic and Wand) the excavation zone to narrow down the High Voltage Cable location.
- Hydrovac System Fitted with:
 - o Nonconductive (neoprene rubber or equivalent) vacuum (suction) hose
 - Oscillating nozzle on pressure wand with water pressure adjusted to not exceeding 2000psi within the cable zone.
- Maintain a minimum distance of 200mm between end of pressure wand and underground electrical assets. DO NOT insert the pressure wand jet directly into subsoil.
- Ensure pressure wand is not directly aimed at underground electrical assets (cables/equipment).
- HV spotter is required must be authorised and instructed on the actual HV network and approved by JCU.

Potholing using hand tools

- Using a round nose, non-conductive (timber or fibreglass) handled shovel, is considered a safe method for excavation.
- Picks, mattocks, crow bars, sharp edged appliances, or any hand held impact tools such as pneumatic drills and electric jack hammers are not to be used.

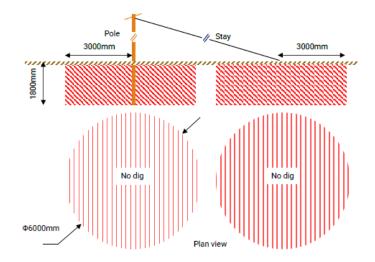
b. Padmounts / switching substation (huts) / stays:

The following Padmounts / switching substations additional excavation rules to those above apply:

- Grading rings surround padmount and switching substations. Earth cabling must not be broken while excavating.
- Mechanical excavation is not permitted within the Earth Grid Zone surrounding the padmount and potholing / positive asset location used to identify grading rings location.
- Damaged or broken earth wires and stakes may pose a severe electrical shock risk. Call the
 Estate Directorate project Supervisor immediately, remain clear and keep others clear until
 assistance arrives.

The following distances must be maintained for excavations near stays / power poles:

- 3000mm distance from pole or stay
- 1800mm depth within the 3000mm from pole or stay



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