



TRANSPOWER

SAFETY ALERT!



AC Junction Box (ACJB) supply shorted to earth (Employee removing a Steel Wire Armoured SWA gland nut)

WHAT HAPPENED?

On 13 August, at Takapu Road Substation an employee was removing an isolated and redundant 400V cable from the ACJB.

In order to loosen the SWA lock nut, multi grips were needed as the nut is tight to ensure a good connection to the earthed gland plate.

When repositioning the multi grips the insulation has been damaged resulting in a short to earth. The grips did not slip from the lock nut.



IMMEDIATE ACTION TAKEN

The employee notified his supervisor and the cable was isolated repaired and returned to service.

LEARNINGS

- The employee did not receive a shock as the multi grips has a rubber handle approx. 5mm thick and the grips were in good condition, in addition he was wearing gloves that had a rubber underside providing additional protection.
- There was a short to earth but the fault current was not sufficient to blow the fuse.
- Ensure additional mechanical protection is in place when working adjacent to live cables in a confined area and hand tools could potentially damage the insulation.



For more information,
please contact:

Name: Emily O'Brien
Designation: Health and Safety Advisor
Ph: 027 839 5733
obrienem@transfieldservices.com