



FIRST ALERT

Date 27/05/16

Maximo Reference:

Marton Outdoor Junction Box Transformer Trip

EVENT



At 1156, on Thursday the 26/05/16, the Marton T2 Transformer tripped on Buchholz.

The cause of the trip was due to a combination of rat droppings and moisture ingress into the ODJB.

Maintenance staff were on site completing a DC battery sizing exercise. This required staff to access the ODJB to complete voltage and current measurements. The Technician opened the ODJB, applied some test equipment and found significant rat droppings on the termination blocks, and two dead rats at the base of the ODJB.

The Technician briefly left the ODJB to gather some cleaning materials, and unfortunately during this period a significant torrential downpour of rain passed through, soaking the interior of ODJB.

The combination of moisture and rat droppings resulted in leakage voltage appearing on the transformer protection terminals, initiating a Buchholz trip.

IMMEDIATE ACTIONS

- Remaining work was immediately stopped.
- A tarp was set up, and cleaning of the terminal blocks and removal of rats completed.
- A heat gun was used to completely dry the ODJB.
- Wiring checked, all alarms cleared and MTN T2 restored at 1517.
- Closer inspection of vermin proofing & water tightness to be completed on all ODJB's in region during next station inspection.



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