

# SAFETY BULLETIN

No 12/033

Date Nov 12

## Electrical Incident

Following a recent accident investigation by the HSQE function involving an engineer receiving electrical burns while undertaking maintenance work in an electrical control panel, I would like bring to your attention the details below:-



### Details

The engineer was working in an isolated electrical panel. The spanner which the engineer was using to tighten a bolt which retained a cable fell down the back of the Isolator. The engineer could see the end of the spanner protruding from the side of the bottom guard so he reached to get it. It was at that point when the engineer was subjected to a bright flash which burnt his right hand; this was caused by the spanner short circuiting the bus bars.

### Precautionary Actions

- Ensure that isolation procedures have been followed.
- Ensure that only authorised personnel have access to the area.
- Use insulated mats when working in electrical panels.
- Check that all tools and equipment are functional and fit for purpose.
- Engineer to completed risk assessment before the work commences & obtain a permit to work.
- All safe working instructions must be adhered too.
- Ensure that relevant hazard warning signs are displayed.
- Report any defects to your line manager and site contact.

Engineers to be made aware that although the panel is isolated there is still potential for the electrical bus bars and auxiliary equipment to be live therefore must be effectively shrouded to prevent contact with electricity. All engineers required to work in electrical panels will receive further electrical safety training.

This document is available on the J&E Hall web site/My J&E Hall/HSQE area/Health & Safety/Safe Work Instructions.

**Please contact the HSQE Function for further guidance.**

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Regards

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