



Induced Voltages

A building sub-contractor working on the FM contract touched a metallic spouting while measuring up for future spouting replacement. The building involved was the Hayward's 11kV switch room located within the Haywards-DC Outdoor 220kV Switchyard. The subcontractor was utilising a fibreglass ladder at the time and received an electric shock. Weather conditions were heavily overcast.

The individual thought the electricity build-up had been discharged but when his arm brushed the spouting again, he received a second shock. He immediately descended the ladder and ceased further work.

Subsequent investigation's by Ventia substation maintenance staff established that the electric shock was due to voltage being induced by the surrounding high voltage electrical equipment



Immediate actions

- All further elevated work within the ODS at Haywards needs to be carried out in consultation with the Station Maintenance Service Provider, and where necessary, additional bonding be provided to mitigate against any measured induced voltages.
- Engage the Station Maintenance Service Provider to permanently bond the spouting on the 11kV switch room building.

For more information, please contact:

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