

17<sup>th</sup> July 2009

**No: IGS 199**

## **Infrastructure Group Safety Bulletin**

### **Substation Accident**

#### **Accident Details**

An accident occurred at Kenton, Wembley yesterday, 16<sup>th</sup> July 2009, due to a release of electrical energy while a distribution team were in the process of setting up a safe system of work in order to test an 11kV feeder in a substation.

#### **Investigation**

An investigation into the accident has begun and further information will be communicated once all relevant investigations have been completed. In the meantime staff with Level A competency are reminded of the isolation procedure when working with 11kv Whipp & Bourne CV equipment of this type.

#### **Isolation procedure**

The correct isolation procedure can be summarised as follows:

- Prepare a permit to work.
- Isolate and earth the circuit breaker at the front panel, lock off, and apply a caution notice.
- Apply danger notices to equipment on either side of the circuit which is to be worked on.
- Issue the permit to work.

If access is required to the back of the circuit breaker panel the following action should be taken.

- Obtain the correct key for the circuit breaker that has been isolated.
- Before unlocking prove the correct panel has been identified by label identification or other suitable methods.
- Unlock the panel and use the live line tool to prove the circuit is not energised.
- Apply danger notices to equipment on either side of the circuit which is to be worked on and apply the earth as required.

Issued by Martin Frobisher, Head of Infrastructure Maintenance Safety & Compliance ([martin.frobisher@networkrail.co.uk](mailto:martin.frobisher@networkrail.co.uk))