

Memorandum

To: Territory E&P Engineers,
Area E&P Engineers, ECOs,
Engineering Manager MP&I,
Richard Wales

From: Arif Arabaji

Title: E&P Engineer (Electrical Distribution)
Tel: 085 78978 (020 7557 8978)

cc: Mark Inwood
Sarah Parr

Date: 23 November 2006

NR/BS/LI/061: Letter of Instruction

This is a Letter of Instruction. In accordance with Section 16, of Network Rail Business Process Document, NR/SP/STP/090 – *Managing Change to Network Rail Standards*, I give notice that the following changes shall be made with effect of **23 November 2006:**

Dangerous Incident Notification: 11kV indoor switchgear type YSF6 manufactured by Yorkshire Switchgear

Instruction

11kV indoor type YSF6, manufactured by Yorkshire Switchgear shall not be operated locally before the SF6 pressure has been confirmed to be normal.

The reason for its issue

Energy Networks Association published a Dangerous Incident Notification that involved the catastrophic failure of an 11kV indoor YSF6 circuit breaker, manufactured by Yorkshire Switchgear. The cause of the failure is still under investigation.

The switchgear concerned was commissioned on 01/05/1991 and was last maintained on 11/01/2003. The failure occurred in the main tank and chamber area. Two 11kV circuits tripped almost simultaneously on two sections of switchgear fed by separate 132/11kV double transformers running with the bus section closed. One of the circuit breakers then indicated low gas pressure and was found to have failed catastrophically.

Initial investigations reveal that the main resin tank of the gas circuit breaker has fractured above the joint with the mechanism box. Soot deposits have affected the adjacent units.

Who it affects

Territory E&P Engineers, Area E&P Engineers, ECOs, Engineering Manager MP&I

Standards affected

None

Expiry date

This Letter of Instruction dated 23 November 2006 shall expire when a superseding Letter of Instruction is issued.

This instruction does not change any requirements for compliance with legislation, other standards or health and safety requirements.

Further advice and guidance on the application of these changes may be sought by contacting **Arif Arabaji on 085 78978 (020 7557 8978)**

Author:

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Endorsed by:



Kevin Lydford

Professional Head of Electrification and Plant Engineering