



Network Rail
40 Melton Street
Euston Square
London NW1 2EE
Tel: +44 (0)20 7557 8000

Memorandum

To: Area E&P Engineers
ECOs
Engineering Manager MP&I
Engineering Manager PSU

From: Cliff Elsey

Title: Territory Engineer
Electrification & Plant
South East
Tel: 00 23276

cc Arif Arabaji

Date: 05 May 2006

RT/BS/LI/047 - Issue 1: 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 **05 May 2006**:

Bimold Connections on Rectifier Transformers at DC Traction Substations

Instruction

All maintenance staff shall be warned to stay clear of rectifier transformer bimold connections during switching operations of this equipment until further notice. (*Location of these connections are indicated by the dotted rectangle in the photograph I below*)

The reason for its issue

A sparking discharge occurs at the rectifier transformer primary connection between the bimold and the 4 nuts securing the square bushing plate. This discharge occurs only during switching of the HV rectifier transformer circuit breaker as a result of a high potential induced at the open circuit end of the screen.

It is believed the number of affected sites is small. However, until this is confirmed, this Instruction shall be followed as a precautionary measure,

Photograph 1



Who it affects

Maintenance staff, ECOs, MP&I and PSU.

Standards affected

None

Expiry date

This Letter of Instruction dated 05 May 2006 shall expire when a superseding Letter of Instruction is issued.

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

Further advice and guidance on the application of these changes may be sought by contacting **Cliff Elsey 00 23276** or **David Scholtz on 0023158**

Author:

Cliff Elsey

Territory Engineer, Electrification & Plant, South East

Endorsed by:

Kevin Lydford

Head of Electrification and Plant Engineering