

## Incident Investigation Summary

**Responsible Managers** David Wright  
**Incident Reference No:** Compass Ref.1106/09/NG  
**Person Responsible for National Implementation:** Adrian Chapman

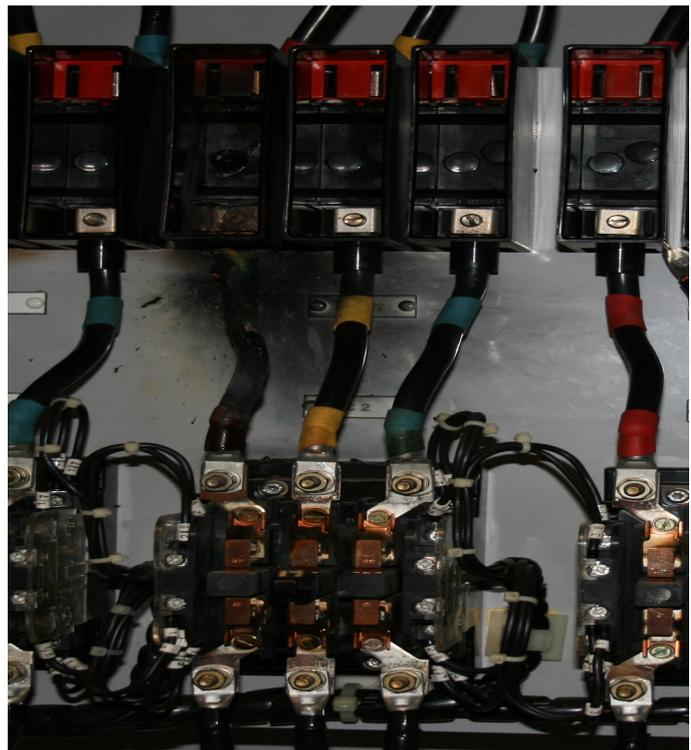
Hatton Compressor Station – Power Factor Correction Unit.

### What happened?

At Hatton Compressor Station staff noticed an acrid burning smell which was emanating from the inside of the power factor correction unit. The internal mains fuses, wiring and contactors had suffered from over heating.

### Why Did This Happen?

The cause of this was in the design and type of crimps or incorrect crimping tool used for the connections at the above points. Some of the sleeves which have been crimped onto short lengths of 25mm mains wiring prevent full face to face contact between the crimp and the securing grub screw in the fuse holder.



### Learning points?

Electrical maintenance staff to be reminded of the maintenance requirements detailed in T/PR/Maint/11026 Work Procedure for Power Factor Correction Equipment and T/PRM/Maint/11001 Work Procedure for General Requirements Electrical. Appendix D

- 25 Check that all cable terminations, including unused cables are terminated as necessary.**
- 26 Check that all electrical connections are tight; including cable terminations and that the correct creepage and clearance distances are maintained.**
- 27 Check cables are installed correctly for the environment/application.**

**Circulation:** Electrical Staff

**Issue Date:** 01/10/09

**Approved by** Tony Stonehewer

**Review Date:** 30/11/09

For further information regarding this bulletin please contact Kriss Larsen **07767 475838** or the Responsible Manager detailed above.