



July 9, 2008

Document Control Desk
US Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: 59 D/H Transient Suppression Issue
10 CFR Part 21 Report

NOTIFICATION BY: ABB Inc.
Allentown site
7036 Snowdrift Road
Allentown, PA 18106

As a result of an internal documentation review, ABB Inc. has become aware of an issue with transient suppression of the 59 D/H Overvoltage relay (411Cxxxx). Upon testing the relay to C37.90.1 -1989, the relay misoperated while injecting transient signal on the unit's control power.

Root cause analysis revealed the 59 D/H has insufficient transient protection on control power inputs. During testing to C37.90.1 -1974, transients present on the control power activated the trip contact or target indicator.

ABB Inc. developed a corrective action plan that addressed the following:

1. Designed a modification that would allow the relay to meet the standard C37.90.1 -1974. An addition of two capacitors from control power inputs to earth ground improves transient suppression which allows the relay to pass C37.90.1 -1974 and C37.90.1 - 1989.

ABB Inc. has no record of any false trip or misoperation as a result of this issue being reported by any customers from the products release date of July 1987 to present day.

ABB recommends:

Return affected 59 D/H (411Cxxxx) units to the factory for upgrade. The unit will be recertified at this time as well.

If you have any questions regarding this notice, please be so kind as to contact Mr. James Hoffman directly at 610-336-5218.

ABB Inc.



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ABB Inc.