

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 21, 1982

BLRD-50-438/82-60

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

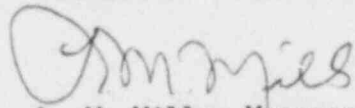
BELLEFONTE NUCLEAR PLANT UNIT 1 - WESTINGHOUSE LOW VOLTAGE SWITCHGEAR.
BLRD-50-438/82-60 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector Don Quick on August 23, 1982 in accordance with 10 CFR 50.55(e) as NCR 1948. Enclosed is our first interim report. We expect to submit our next report by April 6, 1983.

If you have any questions concerning this matter, please get in touch with R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


L. M. Mills, Manager
Nuclear Licensing

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNIT 1
WESTINGHOUSE LOW VOLTAGE SWITCHGEAR
NCR 1948
BLRD-50-438/82-60
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

The affected low-voltage switchgear was supplied by Westinghouse, Pittsburgh, PA. During a test of the HVAC chilled water pump, the 1EX2-A switchgear failed to trip when power was lost inadvertently. Upon restoration of power, the pump motor was activated without benefit of component cooling water or lubricant because the low-voltage switchgear associated with these systems did trip thereby preventing unintentional re-energization. Consequently, the HVAC chilled water pump was burned out.

A preliminary investigation revealed that the probable cause of the deficiency was the insertion of a DC fuse block incorrectly in the low-voltage switchgear. The incorrect configuration resulted in an open circuit which, in turn, prevented the switchgear from tripping.

Interim Progress

TVA is evaluating the deficiency to determine the appropriate corrective action, root cause, and actions required to prevent recurrence.