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 MILLS, L.M. Tennessee Valley Authority
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SUBJECT: First interim deficiency report re 480-volt motor control ctr control transformer fuses per 10CFR50.55e & 10CFR21. Design of control circuits is being reevaluated to determine cause of fuse operation & what changes are required.

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 TITLE: Construction Deficiency Report: (10CFR50.55E)

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 8, 1980

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - 480V MCC CONTROL TRANSFORMER FUSES
- NCR 1234 - FIRST INTERIM REPORT

The subject nonconformance was initially reported to NRC-OIE Inspector M. Thomas on August 8, 1980, in accordance with 10 CFR 50.55(e). Enclosed is our first interim report. We expect to submit our next written report by October 24, 1980. We consider 10 CFR Part 21 to be applicable to this nonconformance.

If you have any questions concerning this matter, please get in touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Jr., Director (Enclosure) ✓
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2

480V MCC CONTROL TRANSFORMER FUSES

NCR 1234

10 CFR 50.55(e)

FIRST INTERIM REPORT

Description of Deficiency

The motor control centers (MCC) at Bellefonte were supplied by GOULD-BROWN BOVERI, Westminster, Maryland. The 5 kVA and 10 kVA control transformers for these MCC's utilize 15 and 30 amp type J fuses, respectively. These fuses have operated when the control circuit is energized. The fuses apparently were not properly chosen to coordinate with the inrush current.

Corrective Action

TVA and GOULD-BROWN BOVERI are reevaluating the design of the control circuits to determine the cause of the fuse operation and what changes are required to correct the problem.