

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

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August 19, 1981

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:

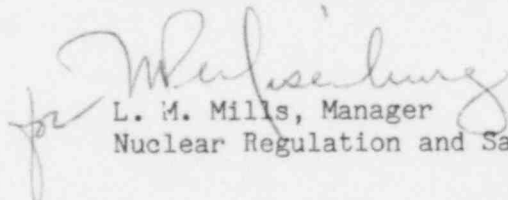
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - MAKEUP AND PURIFICATION AND
DECAY HEAT REMOVAL PUMP MOTORS WITH DAMAGED THERMOCOUPLE WIRING - NCR'S
1087 AND 1101 - FINAL REPORT

On November 21, 1979 M. J. Gouge, NRC-OIE Region II, was informed that Nonconformance (NCR) 1087 was determined to be reportable in accordance with 10 CFR 50.55(e). Since that time, related NCR 1101 has been determined to be reportable in accordance with 10 CFR 50.55(e). This was followed by our interim reports dated December 21, 1979, March 27, May 8, and October 7, 1980, and February 17, 1981. Enclosed is our final report. This NCR was closed in inspection report 438, 439/81-15 dated June 4, 1981.

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
MAKEUP AND PURIFICATION AND DECAY HEAT REMOVAL PUMP MOTORS
WITH DAMAGED THERMOCOUPLE WIRING
NCR'S 1087 AND 1101
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

During an equipment inspection, the thermocouple wiring for the makeup and purification and the decay heat removal pump motors had indications of overheating. While the damaged thermocouple wiring in itself does not represent a significant safety problem, the damage could be an indication of more extensive damage to the motors.

Safety Implications

The testing conducted by B&W/Westinghouse representatives onsite provided no evidence of overheating of the motors. The damage to the thermocouples appears to be mechanical. Since the motors have been tested and shown to be acceptable and the thermocouples perform no safety function, had the subject condition remained uncorrected, it could not have adversely affected the safety of operations of the plant.

Corrective Action

During the week of April 13, 1981 a representative of Westinghouse visited the Bellefonte site. The purpose of his visit was to aid in the conduct of the testing of the subject thermocouple wiring. This representative verified that the testing was conducted in accordance with B&W Field Change Package (FCP) 110 (Repair and Testing of Decay Heat and Makeup Pump Motor Thermocouples).

The test procedure included an individual inspection of thermocouples. The inspection provided no evidence of overheating. However, the thermocouple leads were mechanically damaged. The B&W representative witnessed the repairs dictated by FCP 110. After the final repair, the motors were tested.

The motors are now serviceable and warranted by B&W.