

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

34 MAR 26 AIO: 18 March 22, 1984

WBRD-50-390/84-11
WBRD-50-391/84-11

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

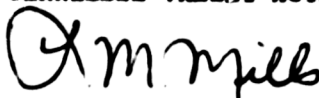
WATTS BAR NUCLEAR PLANTS UNITS 1 AND 2 - NEW DEFICIENCIES IN BARTON PRESSURE TRANSMITTERS-WBRD-50-390/84-11, WBRD-50-391/84-11 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector Dave Verrelli on February 23, 1984 in accordance with 10 CFR 50.55(e) as NCR WBN NEB 8401. Although, Mr. Verrelli was informed that WBN NEB 8208 (WBRD-50-390,391/82-36,32) would be reopened to include WBN NEB 8401, we have decided to report these NCRs separately. Enclosed is our first interim report. We expect to submit our next report on or about May 11, 1984. We consider 10 CFR Part 21 applicable to this deficiency.

If you have any questions, 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

Records Center (Enclosure)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

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ENCLOSURE

WATTS BAR NUCLEAR PLANT; UNITS 1 AND 2
NEW DEFICIENCIES IN BARTON PRESSURE TRANSMITTERS
NCR WBN NEB 8401
WBRD-50-390/84-11 AND WBRD-50-391/84-11
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, supplies pressure and differential pressure transmitters manufactured by ITT Barton, City of Industry, California, for safety-related applications at Watts Bar Nuclear Plant. Westinghouse recently notified TVA that all Barton Model 763 and Model 764 transmitters which are located in a harsh environment are potentially subject to additional errors at elevated temperatures due to calibration techniques and electrical leakage through the span and zero potentiometers. These temperature-related errors introduce a positive bias in the transmitter output. Westinghouse's letter of notification also made reference to a separate problem of output shift in model 763, suppressed zero transmitters. The output shift occurs upon exposure to operating pressure and is always negative.

Interim Progress

Westinghouse has advised TVA that all transmitters shipped after January 1, 1983, are unaffected by these deficiencies. They expect to define corrective action and an implementation schedule for those transmitters which are affected by March 31, 1984.