

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 24, 1981

WBRD-50-390/81-70
WBRD-50-391/81-66

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:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - PIPING PROTECTIVE DEVICES WELDING
DEFECTS - WBRD-50-390/81-70, WBRD-50-391/81-66 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-DIE Inspector D. Quick on August 10, 1981 in accordance with 10 CFR 50.55(e) as NCR 3523R. As discussed with Inspector D. Quick on August 10, 1981, TVA proposed to report on this nonconformance in our next interim report on NCR 3001R R1 (WBRD-50-390/81-27, WBRD-50-391/81-26 - Insufficient Documentation for Protective Devices). However, TVA subsequently determined it would be prudent to submit a separate initial report on NCR 3523R because our next interim report on NCR 3001R R1 is scheduled to be submitted on June 20, 1982. This matter was discussed with Inspector R. V. Crlenjak on September 14, 1981. It was mutually agreed that we would submit a report providing a description of condition for NCR 3523R and that further reporting would be handled under NCR 3001R R1 reports. Enclosed is our first interim report.

If you have any questions, please get in touch with D. L. Lambert at
PTS 857-2531.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

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

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
PIPING PROTECTIVE DEVICES WELDING DEFECTS
WBRD-50-390/81-70, WBRD-50-391/81-66
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

This nonconforming condition was identified as part of the disposition of NCR 3001R R1 which deals with insufficient documentation on installation and fabrication of all pipe whip and jet impingement protective devices. NCR 3523R identifies substandard welding throughout all protective devices. The substandard welds exhibited excessive weld buildup, undersized and oversized fillet welds, partial penetrations, and pin holes.