

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

March 31, 1982

WBRD-50-390/82-27
WBRD-50-391/82-24

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:

**WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - FIRE PROTECTION SYSTEM SUPPORT
DETAIL DISCREPANCIES - WBRD-50-390/82-27, WBRD-50-391/82-24 - FIRST
INTERIM REPORT**

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on March 2, 1982 in accordance with 10 CFR 50.55(e) as NCR WBN SWP 8204. Enclosed is our first interim report. We expect to submit our next report by September 21, 1982.

If you have any questions, please get in touch with R. H. Shell at
PTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

[Signature]
L. M. Hill, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Richard C. DeYoung, 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
FIRE PROTECTION SYSTEM SUPPORT DETAIL DISCREPANCIES
NCR WBN SWP 8204
WBRD-50-390/82-27, WBRD-50-391/82-24
10 CFR 50.55(e)
FIRST INTERIM REPORT**

Description of Deficiency

On the Fire Protection System drawing series 47A491 and 47A492, TVA has identified the following discrepancies in the support detail drawings:

1. The installation locations of washers called for in the bill of material to be used with the unistrut clamps are not specified on the support detail nor is the term "unistrut assembly," defined on the bill of materials as to its components
2. While support drawings specify three directional loads, in some instances washers have been located under unistrut clamps eliminating the axial restraint, and in other areas U-bolts, which should be used for tension loads only, are being used for these three directional loads.
3. Lugs are missing on vertical pipe requiring an axial restraint for the "y" direction (or uploading) on the pipe.

The apparent cause of these discrepancies is inadvertent detail errors by TVA designers.

Interim Progress

TVA is in the process of reviewing the Fire Protection System piping drawings and support detail drawings to ensure both clarity and compliance with all design requirements called for in the Alternate Analysis Criteria, CEB-76-5.