

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 22, 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:

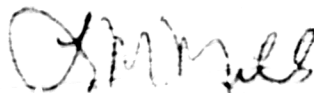
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - FIRE PROTECTION SYSTEM SUPPORT
DETAIL DISCREPANCIES - WBRD-50-390/82-27, WBRD-50-391/82-24 - SECOND
INTERIM REPORT

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. Our first interim report was submitted on
March 31, 1982. Enclosed is our second interim report. We expect to
submit our next report on or about January 20, 1983.

If you have any questions, please get in touch with R. H. Shell at
FTS 858-2686.

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, 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)
SECOND 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 issuing the revisions to the support detail drawings identified in response to the subject deficiency to ensure clarity and compliance with all design requirements in the alternate analysis criteria, CEB 76-5. This work is being accomplished under ECN 3364.