TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

January 13, 1983

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 - THIRD 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. Interim reports were submitted on March 31, and September 22, 1982. Enclosed is our third interim report. We expect to submit our next report on or about April 25, 1983.

If you have any questions, please get in touch with R. H. Sheil 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, 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)
THIRD 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 has taken the following action to correct the deficiencies identified on the subject NCR:

1. Individual support detail drawings with discrepancies are being reviewed and revised to correct detail discrepancies. Presently, 20 such drawings have been revised and issued.

2. The entire support scheme of the fire protection system piping is being reviewed to assure that supports are designed to the requirements of the alternate analysis criteria CEB 76-5.

3. New support detail drawings are being issued when identified as required in item 2 above.

All of this work effort is being accomplished under (ECN) 3364.