TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

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June 1, 1982

WBRD-50-390/82-02
WBRD-50-391/82-02

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 - HIGH PRESSURE FIRE PROTECTION SEISMIC PIPE SUPPORTS - WBRD-50-390/82-02, WBRD-50-391/82-02 - SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on December 4, 1981 in accordance with 10 CFR 50.55(e) as NCR WBN SWP 8160. Our first interim report was submitted on January 7, 1982. Enclosed is our second interim report. We expect to submit our next report on or about November 23, 1982.

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, DC 20555

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
HIGH PRESSURE FIRE PROTECTION SEISMIC PIPE SUPPORTS
NCR WBN SWP 8160
WBRD-50-390/82-02, WBRD-50-391/82-02
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

Some areas in Seismic Category I buildings requiring maintenance of pressure boundary of the High Pressure Fire Protection System during a seismic event are not noted on design drawings in accordance with the WBN Supplemental Fire Protection Design Criteria and Supplemental Recommendations. These areas are defined to contain essential equipment for safe plant operation. Also piping in these essential equipment areas is not interfaced with adjoining piping (which does not require pressure boundary maintenance) in accordance with WB-DC-40-31.9 - Location and Design of Piping Supports and Supplemental Steel in Category I Structures. This criteria requires that support analysis be carried two changes of pipe direction beyond the area requiring maintenance of the pressure boundary.

Interim Progress

Because of limited manpower and a change in priorities, TVA has not yet completed the revisions to the affected design drawings under Engineering Change Notice 3222. These revisions will encompass all required areas and interfaces with deadweight support piping as required by the respective criteria. Additionally, TVA is still investigating further corrective actions and means to prevent recurrence of this type nonconformance. The results of this continuing investigation will be provided in our next report.