TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

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January 7, 1982

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

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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 - HIGH PRESSURE FIRE PROTECTION SEISMIC PIPE SUPPORTS - WBRD-50-390/82-02, WBRD-50-391/82-02 - FIRST 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. Enclosed is our first interim report. The submittal date of this report was discussed with Inspector R. V. Crlenjak on January 5, 1982. We expect to submit our next report by May 25, 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 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
HIGH PRESSURE FIRE PROTECTION SEISMIC PIPE SUPPORTS
WBRD-50-390/82-02, WBRD-50-391/82-02
10 CFR 50.55(e)
FIRST 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

The affected design drawings are being revised under ECN 3222 to encompass all required areas and to interface with deadweight supported piping as required by the respective criteria. Further corrective actions and means to prevent recurrence of this type nonconformance will be provided in our next report.