400 Chestnut Street Tower II

December 18, 1981

WBRD-50-390/81-99
WBRD-50-391/81-93

DEC 28 1981

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 - LOADING CRITERIA FOR STRUCTURAL STEEL AND SUPPORTS - WBRD-50-390/81-99, WBRD-50-391/81-93 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on November 17, 1981 in accordance with 10 CFR 50.55(e) as NCR 3659R R1. Enclosed is our first interim report. We expect to submit our next report by March 2, 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
LOADING CRITERIA FOR STRUCTURAL STEEL AND SUPPORTS
WBRD-50-390/81-99, WBRD-50-391/81-93
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Several notes in general notes drawing series 47A050 and 47A058 permit Construction to make attachments or alterations to building and miscellaneous steel, cable tray supports, and baseplates for supports of all types. These notes specify loading criteria that must be complied with. The loading criteria did not clearly define the consideration of cumulative loads for construction application; and it was also misinterpreted by Construction.

The apparent cause was inadequate review of design notes for clarity by TVA's Division of Engineering Design (EN DES) and inadequate review by Construction to assure uniform interpretation and application of the notes.

Interim Progress

EN DES is in the process of reviewing the general notes to delete or clarify the notes in question on the NCR. In addition, a field review will be initiated by EN DES of attachments to cable tray supports, building steel, and miscellaneous steel with corrective action specified as required. TVA is still investigating actions to prevent recurrence of this type nonconformance.