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

April 28, 1982

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

50-390

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - FAULTY FILLET WELDS - NCR 2111R - TENTH INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. W. Wright on February 20, 1980 in accordance with 10 CFR 50.55(e) in conjunction with similar deficiencies designated as NCR's 2806R, 2091R, 2101R, 2120R, 2128R, 2137R, and 2375R. Interim reports were submitted on March 19, May 6, August 8, and October 31, 1980 and February 6, June 17, October 13, and December 23, 1981 and February 25, 1982. We expect to provide additional information by May 4, 1982.

Nonconformance report (NCR) 2111R documents a QA program breakdown in the inspection of ASME Code fillet welds used on socket weld fittings on branch connections to process piping. The inspection requirements for these welds are defined in General Construction Specification G-29. To date, over 33,600 welds have been reinspected with over 10,600 having been found to be deficient, with approximately 9300 of these welds having been repaired. There are approximately 4500 welds left to be reinspected. TVA is continuing the program for inspection and repair or disposition of these welds. In isolated cases, socket welds may be inaccessible for inspection or accessible for inspection but not accessible for addition of filler metal. These situations will be documented on NCRs and referred to the Division of Engineering Design (EN DES) for disposition.

NCR 2375R documents a deficiency with filler welds on cable tray supports, conduit supports, and miscellaneous steel. The welds on cable tray supports have been dispositioned "use as is" based on reanalysis on the supports showing that the supports were adequate for design loadings. The disposition of the welds on conduit supports and miscellaneous steel is pending evaluation of sampling programs now in progress.

If you have any questions concerning this matter, please get in touch with R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

James A. Domer
for L. M. Mills, Manager
Nuclear Licensing

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cc: Mr. Richard C. DeYoung, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555