

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

May 18, 1984

WBRD-50-390/84-24

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

**WATTS BAR NUCLEAR PLANT UNIT 1 - INSTRUMENT LINE MOVEMENT DATA ON
DRAWINGS DOES NOT MATCH ANALYSIS - WBRD-50-390/84-24 - FIRST INTERIM REPORT**

The subject deficiency was initially reported to NRC-OIE Inspector Bob Carroll on April 18, 1984 in accordance with 10 CFR 50.55(e) as NCR WEN EEB 8412. Enclosed is our first interim report. We expect to submit our next report on or about June 25, 1984.

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
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, D.C. 20555

Records Center (Enclosure)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNIT 1
INSTRUMENT LINE MOVEMENT DATA ON DRAWINGS DOES NOT MATCH ANALYSIS
NCR WBN EEB 8412
WBRD-50-390/84-24
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Movement data for various safety-related piping systems at Watts Bar Nuclear Plant (WBN), as tabulated on TVA WBN drawing series 47A600-does not agree with corresponding data from rigorous analysis. The 47A600 drawing series is used to determine the flexibility and support requirements for instrument lines.

TVA has determined that the assignable cause for this deficiency is that engineering change notices (ECNs) involving rigorous reanalysis have not been coordinated through TVA's Watts Bar Design Project (WBP) Instrumentation and Controls (I&C) group. The WBP I&C group has responsibility for the 47A600 drawing series. Thus, results of the rigorous analysis were not squadchecked to the WBP I&C group.

Interim Progress

TVA has issued ECN 4802 to revise the 47A600 drawing series to reflect the current rigorous analysis information. These drawings will be compared to the as-built configuration of instrument line typical supports in the field. Any supports which do not agree with the new drawings will be modified. Although TVA is proceeding to implement corrective action for this condition before initial fuel loading, it is our judgment that from a plant safety standpoint, any necessary modifications to the supports could be completed after fuel loading, but no later than initial criticality.