

**TENNESSEE VALLEY AUTHORITY**

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

December 15, 1982

WBRD-50-390/82-48

WBRD-50-391/82-45

U.S. Nuclear Regulatory Commission

Region II

Attn: Mr. James F. O'Reilly, Regional Administrator

101 Marietta Street, Suite 3100

Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - INCORRECT SUPPORTS IN ANALYSIS  
OF 3-INCH CVCS LINE - WBRD-50-390/82-48, WBRD-50-391/82-45 - SECOND  
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
D. Quick on May 5, 1982 in accordance with 10 CFR 50.55(e) as NCR  
WAN CEB 8209. Our first interim report was submitted on June 3, 1982.  
Enclosed is our second interim report. We expect to submit our next report  
in or about May 20, 1983.

If you have any questions, please get in touch with R. L. Small at  
ETS 859-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*L. M. Mills, Jr.*

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

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**ENCLOSURE**

**WATTS BAR NUCLEAR PLANT UNITS 1 AND 2  
INCORRECT SUPPORTS IN ANALYSIS OF 3-INCH CVCS LINE  
NCR WBN CEB 8209  
WBRD-50-390/82-48, WBRD-50-391/82-45  
10 CFR 50.55(e)  
SECOND INTERIM REPORT**

**Description of Deficiency**

The 3-inch letdown line in the CVCS system from the crossover leg loop No. 3 to the regenerative heat exchanger has two inline isolation valves (node points 51 and 150 of EDS Nuclear, Incorporated's, analysis 0600200-08-10) which are analyzed with rigid supports on the valve operators in one direction. The as-designed supports for these locations are snubbers. This condition results in the analysis being incorrect with respect to pipe movements, pipe stresses, and support loads. Additional rigid support piping analysis problems, recently identified on safety injection system, steam generator blowdown system, and other CVCS lines, are also affected.

**Interim Progress**

TVA is reanalyzing problem 0600200-08-10 and will reanalyze the recently identified problems. More information will be provided in our next report.