

TENNESSEE VALLEY AUTHORITY  
CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II 31

82 JUN 28  
June 25, 1982

WBRD-50-390/82-59  
WBRD-50-391/82-56

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

Dear Mr. O'Reilly:

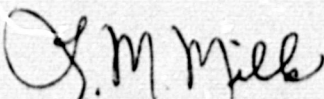
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - EVALUATION OF FLANGED JOINTS -  
WBRD-50-390/82-59, WBRD-50-391/82-56 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
H. C. Dance on May 27, 1982 in accordance with 10 CFR 50.55(e) as NCR  
WBN CEB 8218. Enclosed is our first interim report. We expect to submit  
our next report by November 24, 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 Licensing

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  
EVALUATION OF FLANGED JOINTS  
NCR WBN CEB 8218  
WBRD-50-390/82-59, WBRD-50-391/82-56  
10 CFR 50.55(e)  
FIRST INTERIM REPORT

Description of Deficiency

Flanged joints for class 2 and 3 alternate analysis piping systems were not qualified in accordance with the ASME Boiler and Pressure Vessel Code, section III, paragraph NC-3647. This piping was analyzed using TVA's Division of Engineering Design, Civil Engineering Branch, report CEB-76-5. However, this report does not delineate guidelines or methods for flange design verification. Also, design criteria WB-DC-40-31.7 does not address flange qualification.

Flanged joints are used in a number of safety-related systems such as the Essential Raw Cooling Water System and the Component Cooling Water System.

Interim Progress

TVA is currently investigating the problem and will ensure that class 2 and 3 flanges will be qualified in accordance with ASME Section III.