

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

May 13, 1982

WBRD-50-390/82-35

WBRD-50-391/82-32

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:

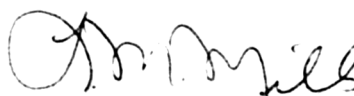
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - PIPE SUPPORTS JEOPARDIZING  
INSULATION DURING THERMAL MOVEMENT - WBRD-50-390/82-35, WBRD-50-391/82-32 -  
FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector D. Quick on April 8, 1982 in accordance with 10 CFR 50.55(e) as NCR WBN 3850R R1. Enclosed is our first interim report. The submittal date of this report was discussed with Inspector R. V. Crlenjak on May 11, 1982. We expect to submit our next report by August 17, 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  
PIPE SUPPORTS JEOPARDIZING INSULATION DURING THERMAL MOVEMENT  
NCR WBN 3850R R1  
WBRD-50-390/82-35, WBRD-50-391/82-32  
10 CFR 50.55(e)  
FIRST INTERIM REPORT

Description of Deficiency

Typical pipe supports have been installed utilizing pipe attachments that may not provide adequate protection for the insulation during thermal growth of the piping. These supports have been used on various piping systems, both Category I and I(L) (limited seismic), some of which are insulated and some of which are insulated and heat traced. The heat-traced piping will have mineral wool for the insulation material, while the nonheat-traced piping could have calcium silicate, stainless steel (mirror), or foam plastic.

Interim Progress

TVA has evaluated the NCR in question and has taken the following actions:

1. Three new pipe support typicals are being issued under ECN 3341 that may be used with all insulated piping whether heat traced or not.
2. Four existing typicals are being revised and issued under ECN 3341 with a note stating, "Not to be used with heat-traced piping." TVA will remove any of these four typical supports they have installed on heat-traced piping.

TVA is designing a new typical axial support to be used with heat-traced piping. This support will be a heavy-duty pipe clamp which acts as a riser clamp. This clamp is now on requisition and will be tested by TVA for axial loading before the new typical drawing is issued. This new typical will facilitate the installation of the pipe support and eliminate welding lugs to the small piping.