



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

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Watts Bar Nuclear Plant

JAN 19 1994

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

In the Matter of the Application of )  
Tennessee Valley Authority ) Docket Nos. 50-390  
50-391

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1 AND 2 - NRC BULLETIN NO. 90-01,  
SUPPLEMENT 1 - LOSS OF FILL-OIL IN TRANSMITTERS MANUFACTURED BY ROSEMOUNT

This letter provides TVA's response and confirmation of actions completed to  
the subject bulletin supplement for WBN.

In TVA's responses to the original bulletin dated January 31, 1992 and  
December 22, 1992, TVA identified six Model 1153, Series B, Rosemount  
transmitters manufactured before July 11, 1989 (serial numbers less than  
500,000) that were installed in WBN Unit 1 and Common safety-related systems  
or systems installed in accordance with 10 CFR 50.62 (Anticipated Transients  
Without Scram [ATWS] rule). Because those six transmitters were not from the  
suspect failure lots identified by Rosemount's Master Suspect Lists (MSL)  
or located in extreme high pressure applications, TVA issued a preventative  
maintenance (PM) instruction, WBN-0-LT-077-0134-A, to annually review  
calibration and trending results to determine if surveillance frequencies  
should be increased and to generate any needed corrective action. That PM  
instruction also reviewed the plant equipment management system (EMS) to  
determine if 1153 Series B or D, or 1154 Rosemount transmitters manufactured  
before July 11, 1989 had been inadvertently installed in the plant.

Supplement 1 of the subject bulletin recommended replacement of the suspect  
1153 Series B or D and 1154 Rosemount transmitters or significantly increase  
plant surveillance and monitoring of those transmitters. In May 1993, the  
annual review of PM WBN-0-LT-077-0134-A was conducted. Since WBN had only  
six transmitters manufactured before July 11, 1989 that were installed in WBN  
Unit 1 and Common safety-related systems or systems installed in accordance  
with 10 CFR 50.62, TVA chose to replace those six transmitters with new or  
refurbished transmitters thus eliminating the need for the increased  
surveillance or monitoring.

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The following is a list of the subject transmitters that are installed in WBN Unit 1 and Common safety-related systems or systems installed in accordance with 10 CFR 50.62 and the disposition of each of those transmitters. As indicated in TVA's response to Bulletin 90-01 dated January 31, 1992, none of the installed transmitters were on Rosemount's MSLs.

<u>Unit ID No.</u>	<u>Old Serial No.</u>	<u>Disposition</u>	<u>New Serial No.</u>
1-FT-70-215A	405512	Refurbished	405512A <sup>1</sup>
1-FT-70-215B	405514	Refurbished	405514A <sup>1</sup>
0-PT-70-221	422310	Refurbished	422310A <sup>1</sup>
0-PT-70-222C	422309	Refurbished	422309A <sup>1</sup>
0-LT-77-134A	404980	Surplused	501453
0-LT-77-135B	404979	Surplused	501454

(1) "A" at the end of the serial number indicates refurbished by Rosemount.

Since trending of the installed transmitters is no longer needed, TVA revised the PM to require only the annual review of the plant EMS for installed safety-related equipment or equipment installed in accordance with 10 CFR 50.62 for possible installation of Rosemount 1153 Series B or D, or 1154 transmitters with Serial numbers less than 500,000. In addition, to prevent installation of those transmitters, TVA placed a hold order on the subject transmitters that remained in Power Stores with Serial numbers less than 500,000 and were not on Rosemounts MSL to be dispositioned for surplus or refurbishment. Those transmitters in Power Stores that were identified on Rosemount's MSLs were returned to the vendor for refurbishment as indicated in TVA's previous responses to the bulletin.

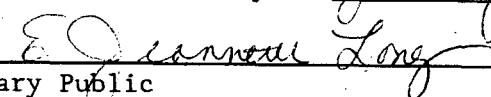
No new commitments are identified in this letter. Corrective action for the WBN Unit 2 Rosemount transmitter will be handled as committed in the January 31, 1992 letter. If you should have any questions, telephone John Vorees at (615)-365-8819.

Very truly yours,



William J. Museler

Subscribed and sworn to before  
me on this 19th day of January 1994

  
Notary Public

My Commission Expires July 1, 1997

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