

TENNESSEE VALLEY AUTHORITY NRC REG

KATYANOGGA TENNESSEE 37401

400 Chestnut Street Tower II

February 10, 1981

79-053-032-  
79-048-032-

Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Region II - Suite 3100  
101 Marietta Street  
Atlanta, Georgia 30303



Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - EXCESSIVE OUTPUT FLUCTUATIONS OF  
FOXBORO INSTRUMENTS - NCR'S 1778R AND 1779R - FOURTH INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
M. Gouge on August 28, 1979. Interim reports were submitted on  
September 22, 1979, January 30, 1980, and August 8, 1980. TVA considers  
10 CFR 21 applicable to these nonconformances. We expect to provide  
additional information by March 25, 1981.

Westinghouse has developed and tested a field modification kit for the  
Foxboro instruments that function as current/current repeaters. The pre-  
liminary test results indicate a significant improvement in performance.  
The modification involves regulating the output of the module's dc power  
supply which was determined to be the primary source of magnetic amplifier  
instability. It appears likely that with this modification the instruments  
will function acceptably for the life of the plant. TVA, however, will  
perform further testing before accepting this change as a permanent  
solution. A similar modification kit is being developed for the square  
root converter instruments.

If you have any questions, please get in touch with D. L. Lambert at  
FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*L. M. Mills*  
L. M. Mills, Manager  
Nuclear Regulation and Safety

cc: Mr. Victor Stello, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

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