

# TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

84 JUN 5 MAY 23 1984  
U.S. Nuclear Regulatory Commission  
Region II  
Attn: Mr. James P. O'Reilly, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - BABCOCK & WILCOX'S NONCONSERVATIVE  
ANALYSIS OF NEUTRON FLUX - NCR BLN NEB 8007 - TWELFTH INTERIM REPORT

On November 5, 1980, R. W. Wright, NRC-OIE Region II, was informed that the subject nonconformance was determined to be reportable in accordance with 10 CFR 50.55(e). This was followed by our interim reports dated December 3, 1980, March 30 and September 21, 1981, February 22, April 27, August 10, and November 16, 1982, May 23 and October 20, 1983 and January 6 and April 6, 1984. Below is our twelfth interim report. We consider 10 CFR Part 21 to be applicable to this deficiency. We expect to submit our next report by December 28, 1984.

B&W's response to the subject deficiency has indicated that no changes to plant hardware or setpoints are necessary. However, initial condition normal operating limits on rod position and axial offset were revised to produce acceptable results in the transient analyses. TVA has reviewed and accepted the results of the B&W analysis. We are still awaiting the root cause of this nonconformance and the associated action to prevent recurrence from B&W and will provide this information in our final report.

If you have any questions concerning this matter, please get in touch with R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*L. M. Mills*

L. M. Mills, Manager  
Nuclear Licensing

cc: Mr. Richard C. DeYoung, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Babcock & Wilcox Company  
Attention: Mr. H. E. Barkley  
P.O. Box 1260  
Lynchburg, Virginia 24505

Records Center  
Institute of Nuclear Power Operations  
1100 Circle 75 Parkway, Suite 1500  
Atlanta, Georgia 30339

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