

**TENNESSEE VALLEY AUTHORITY**

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

November 28, 1984

BLRD-50-438/84-54  
BLRD-50-439/84-50

DEC 3 P 1:22

U.S. Nuclear Regulatory Commission  
Region II

Attn: Mr. James P. O'Reilly, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Dear Mr. O'Reilly:

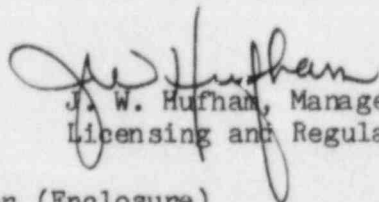
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - WIND AND TOPNADO LOADING NOT CONSIDERED  
IN PIPING ANALYSIS - BLRD-50-438/84-54 AND BLRD-50-439/84-50 - FIRST INTERIM  
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
P. E. Fredrickson on October 25, 1984 in accordance with 10 CFR 50.55(e) as  
NCR BLN CEB 8415. Enclosed is our first interim report. We expect to  
submit our next report on or about October 16, 1985.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

  
J. W. Hufham, Manager  
Licensing and Regulations

Enclosure

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

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

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ENCLOSURE  
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2  
WIND AND TORNADO LOADING NOT CONSIDERED IN PIPING ANALYSIS  
BLRD-50-438/84-54, BLRD-50-439/84-50  
NRC BLNCEB8415  
10 CFR 50.55(e)  
FIRST INTERIM REPORT

Description of Deficiency

During the reanalysis of rigorous piping analysis problem N4-OSA-B for Bellefonte Nuclear Plant (BLN), a deficiency was identified in which extreme wind forces were not considered in the previous analysis. The inclusion of wind loads into a rigorous piping analysis problem is required by BLN design criteria N4-50-D711 and by the BLN rigorous analysis handbook (RAH). Analysis problem N4-OSA-B was used to determine the locations of and loads on seismic category I and I(L) supports for the 12-inch auxiliary steam system (SA) piping on the roof of the BLN Auxiliary Building.

Interim Progress

TVA is in the process of investigating the subject deficiency. The deficiency is also being studied for applicability to other analysis problems and piping systems at BLN.