TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

November 28, 1984

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

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 caterogy 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.