

TENNESSEE VALLEY AUTHORITY

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CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

84 AUG 30
August 28, 1984

BLRD-50-438/84-43
BLRD-50-439/84-39

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 - DEFICIENCY IN OVERLAP MODELING
TECHNIQUES - BLRD-50-438/84-43, BLRD-50-439/84-39 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on August 4, 1984 in accordance with 10 CFR 50.55(e) as
NCR BLN CEB 8412. Enclosed is our first interim report. We expect to
submit our next report on or about March 15, 1985.

If you have any questions, 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

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
DEFICIENCY IN OVERLAP MODELING TECHNIQUES
NCR BLN CEB 8412
BLRD-50-438/84-43, BLRD-50-439/84-39
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

TVA has identified that the Bellefonte Nuclear Plant (BLN) MA-3 Rigorous Analysis Handbook (RAH) was deficient in overlap modeling techniques before March 15, 1984. The seismic response spectra of two or more problems being overlapped were not required by the BLN RAH to be enveloped. Additionally, support loads in the overlap region were not increased by 10 percent.

Interim Progress

TVA is in the process of reviewing piping analysis problems with overlap. Further information will be provided in our next report on this item.