TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

August 26, 1983

BLRD-50-438/83-47
BLRD-50-439/83-39

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 - INCORRECT MODELING OF PROBLEMS IN TPIPE - BLRD-50-438/83-47, BLRD-50-439/83-39 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector Linda Watson on August 1, 1983 in accordance with 10 CFR 50.55(e) as NCR BLN CEB 8304. Enclosed is our first interim report. We expect to submit our next report by March 22, 1984.

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, 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
INCORRECT MODELING OF PROBLEMS IN TPIPE
NCR BLN CEB 8304
BLRD-50-438/83-47, BLRD-50-439/83-39
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Isometric drawings for the reactor coolant (RC) drains, vents, and miscellaneous piping systems show that snubbers at nodal points 67 and 75 are to be 90° or perpendicular to the RC drain piping. The directions of supports at nodal points 67 and 75 of problems N4-1NK-C (unit 1) N4-2NK-C (unit 2) were not modeled in the TPIPE program consistent with the analysis isometric. Incorrect data using the snubbers skewed at 30° was input into TPIPE program which would affect the support design loads, the piping system movements and piping stresses.

Interim Progress

TVA has requested Teledyne Engineering Services (TES) to reanalyze the problem using the correct support alignment of 90°. Any support redesign will be performed, if necessary.