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

November 1, 1984 NOV 6 A10:23

BLRD-50-438/83-07
BLRD-50-439/83-04

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 - RELIEF VALVES VIOLATE ASME CODE - BLRD-50-438/83-07, BLRD-50-439/83-04 - THIRD INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector L. Watson on December 23, 1982 in accordance with 10 CFR 50.55(e) as NCR BLN BLP 8236. This was followed by our interim reports dated January 21 and July 5, 1983. Enclosed is our third interim report. We expect to submit our next report on or about March 4, 1986.

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
RELIEF VALVES VIOLATE ASME CODE
BLRD-50-438/83-07, BLRD-50-439/83-04
10 CFR 50.55(e)
NCR BLN BLP 8236
THIRD INTERIM REPORT

Description of Deficiency

Relief valves 1KC- and 2KC-VRFC-154, -183, -194, and -205 violate ASME Section III, division 1, section ND-3677.2 which prohibits the use of stop valves between a relief device and the equipment being protected. These drawings also disagree with the process and instrumentation diagram in the B&W system description for the component cooling water (CCW) system (15-4041000001-04). These relief valves protect the shell of the seal area cooler in the reactor pumps. This condition could have resulted in damage to the seal area coolers.

Interim Progress

TVA has relocated each relief valve inlet line connection to a position between the stop valve and the seal area cooler on the CCW return piping.

The design criteria diagram and the physical piping drawings for units 1 and 2 have been issued. Pipe support analysis for the unit 1 revised routing has been completed. TVA will provide a final report upon completion of the analyses and design drawing revisions.