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

March 31, 1982

BLRD-50-438/81-63
BLRD-50-439/81-61

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - PIPE HANGER SUPPORTS ADDED TO AUXILIARY FEEDWATER PIPE TRENCH - BLRD-50-438/81-63, BLRD-50-439/81-61 - SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on September 24, 1981 in accordance with 10 CFR 50.55(e) as NCR BLN CDB 8101. This was followed by our first interim report dated October 21, 1981. Enclosed is our second interim report. We expect to submit our next report by July 29, 1982.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

for L. M. Mills, Manager
Nuclear Regulation and Safety

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

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ENCLOSURE
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
PIPE HANGER SUPPORTS ADDED TO AUXILIARY FEEDWATER PIPE TRENCH
NCR BLN CDB 8101
BLRD-50-438/81-63, BLRD-50-439/81-61
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

The auxiliary feedwater (AFW) pipe trench design and construction drawings (8YW0316-X1 series) have been completed since September 1977. The AFW pipe trench is a reinforced concrete structure housing Seismic Category I and Non-Seismic Category I pipes. Under the original design, two embedded strip plates (continuous) were placed on each side of the vertical interior concrete walls to support pipe hanger loads. A large number of added pipe hanger supports have been installed whose loads and locations were not identified nor designed for in the original calculations. An initial investigation revealed that the pipe hanger design drawings, the added support plates, and anchors had not been reviewed by all responsible design groups.

Interim Progress

The entire AFW trench and tunnel sections are under investigation for the added pipe support plate loads. The critical pipe support loads will be included with the other operating design loads and the structural adequacy of the system verified. The scope of the work necessary to verify the adequacy of the affected pipe support system was greater than first anticipated; therefore, this work is expected to be completed July 1, 1982.

The responsible organization will be instructed to route all pertinent information for review to all groups involved in accordance with TVA procedures.