TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

December 6, 1982

BLRD-50-438/82-55
BLRD-50-439/82-49

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 - CONDUIT LOADING ON ANNULUS FRAMING IN REACTOR BUILDING - BLRD-50-438/82-55, BLRD-50-439/82-49 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on August 2, 1982 in accordance with 10 CFR 50.55(e) as NCR BLN QAB 8204. This was followed by our first interim report dated September 1, 1982. Enclosed is our final report. TVA does not now consider the subject nonconforming condition adverse to the safe operation of the plant. Therefore, TVA will amend our records to delete the subject nonconformance as a 10 CFR 50.55(e) item.

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

D S Kammer

for 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

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
CONDUIT LOADING ON ANNULUS FRAMING IN REACTOR BUILDING
NCR BLN QAB 8204
BLRD-50-438/82-55, BLRD-50-439/82-49
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

Conduit was placed along a span of structural steel in the annulus of the reactor building. The steel was not designed to support the resultant torsional loading. The conduit is field routed by TVA's Division of Construction (CONST). At the time this nonconformance was written, it was felt that the application of torsional loads to the support framing in excess of design requirements constituted a nonconforming condition. Further investigation has revealed that the original design meets all requirements of the design criteria including 150 lb/ft^2 live load, 150 lb/ft^2 dead load, plus 20 lb/ft^2 grating load. The annulus steel framing was designed as an access platform. Upon determination that conduits would be supported from the steel framing, additional torsional bracing was required and added by Engineering Change Notice (ECN) 1290. When the functional requirements of a system changes, an ECN is written to modify design as required. The closing of the ECN is TVA's Division of Engineering Design (EN DES's) final approval of the modifications. This condition is viewed as part of the engineering process, and not a nonconformance. Therefore, TVA considers this item no longer reportable under 10CFR50.55(e).

Safety Implications

As discussed above, TVA does not consider the subject nonconformance to document a condition adverse to safe plant operation.

Corrective Action

No corrective actions are necessary because it has been determined that the subject nonconformance does not document a deficient condition.