

REGION 1
TENNESSEE VALLEY AUTHORITY
U.S. NUCLEAR REGULATORY COMMISSION
ATLANTA, GEORGIA
CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

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JUL 14, 1983

BLRD-50-439/82-35

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 UNIT 2 - DEFICIENT PIPE SUPPORTS -
BLRD-50-439/82-35 - THIRD INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on December 15, 1981 in accordance with 10 CFR 50.55(e) as NCR BLN BLP 8130. This was followed by our interim reports dated June 21, 1982 and January 24, 1983. Enclosed is our third interim report. We expect to submit our next report by January 31, 1984.

In our previous submittals, TVA had inadvertently stated that the deficiency applies to both units 1 and 2. However, this deficiency only applies to unit 2.

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

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

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
DEFICIENT PIPE SUPPORTS
NCR BLN BLP 8130
BLRD-50-439/82-35
10 CFR 50.55(e)
THIRD INTERIM REPORT

Description of Deficiency

An error was discovered in the thermal movement column of a support design load drawing (drawing No. 3BH04 19-NV-04). A zero was entered in the thermal movement column for the unrestrained directions of about 20 supports listed on this drawing when in fact there is a small amount of thermal pipe movement in these unrestrained directions. Because zero was listed as the thermal pipe movement of these supports, a frictional load was not included in the design of these supports.

Interim Progress

TVA's second report on this deficiency indicated that the affected supports would be evaluated to determine if additional friction loads required support design revisions.

The determination has been made, based on paragraph J.2 of ITT Grinnell engineering instruction No. 10, that frictional loading needs to be evaluated only for those supports at locations where the thermal movement in the unrestrained directions equals or exceeds 1/16 inch. In order to minimize the number of supports requiring detailed evaluation, the support design load drawings are being reviewed and revised to identify all supports with thermal movements equaling or exceeding 1/16 inch in unrestrained directions. Those supports identified will be evaluated to determine if the addition of a friction load will require any changes in the support configurations.

TVA will provide a final report on this deficiency upon completion of any design revisions required and determination of changes required in supports already fabricated and installed.