

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

August 2, 1982

BLRD-50-438/82-07

BLRD-50-439/82-07

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 - ATTACHMENT OF PIPE SUPPORTS
TO 6-INCH STRIP PLATES - BLRD-50-438/82-07, BLRD-50-439/82-07 - THIRD
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on December 31, 1981 in accordance with 10 CFR 50.55(e)
as NCR BLN BLP 8133. This was followed by our interim reports dated
January 29 and April 16, 1982. Enclosed is our third interim report. We
expect to submit our next report by October 8, 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

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, DC 20555

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
ATTACHMENT OF PIPE SUPPORTS TO 6-INCH STRIP PLATES
NCR BLN BLP 8133
BLRD-50-438/82-07, BLRD-50-439/82-07
10 CFR 50.55(e)
THIRD INTERIM REPORT

Description of Condition

Six-inch wide embedded strip plates with a single row of 3/4-inch diameter Nelson studs were provided in the Reactor Buildings for the attachment of instrumentation and conduit supports. However, because design drawings did not restrict their use, ITT Grinnell pipe supports and TVA typical seismic pipe supports have been installed attached to the strip plates. Because of the physical configuration of the embedments, the potential for excessive stress and deflection exists.

Interim Progress

At the direction of TVA design personnel, construction personnel placed a hold on all installations and performed a walkdown of both Reactor Buildings to determine which supports were attached to the subject plates. A total of 112 unit 1 and 37 unit 2 TVA and Grinnell pipe supports were identified. Of these supports, a total of 6 were found to be unacceptable, requiring remedial work. The support modifications will be required by ECN 1752. The remaining supports were found to be acceptable. Field quality control procedure 6.17 is to be modified to ensure that all future installations have been reviewed and approved.