

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

September 20, 1982

BLRD-50-438/81-77
BLRD-50-439/81-76

02 SEP 22 1982
NRC REGION II
ATLANTA, GEORGIA

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:

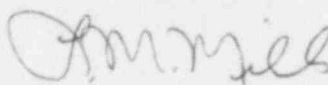
BELLEVILLE NUCLEAR PLANT UNITS 1 AND 2 - ALLOWABLE STRESSES FOR PIPE
SUPPORT DESIGN - BLRD-50-438/81-77, BLRD-50-439/81-76 - THIRD INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on December 7, 1981 in accordance with 10 CFR 50.55(e) as
NCR BLN CEB 8110. This was followed by our interim reports dated
December 30, 1981 and May 11, 1982. Enclosed is our third interim report.
We expect to submit our next report by December 17, 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



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

OFFICIAL COPY
82 27

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
ALLOWABLE STRESSES FOR PIPE SUPPORT DESIGN
BLRD-50-438/81-77, BLRD-50-439/81-76
10 CFR 50.55(e)
THIRD INTERIM REPORT

Description of Deficiency

For the upset condition for primary load sources, the Bellefonte FSAR indicates that allowable stresses for support designs is 1.0 times the normal condition AISC allowable stresses. The procedures governing Bellefonte piping analysis indicate that a factor of 1.33 can be used. This deficiency was caused by the EP and handbook being issued with the 1.33 factor in anticipation that the ASME Code would adopt the 1.33 factor. The code adopted a factor of 1.0 instead of 1.33. The factor of 1.33 was used in the design of pipe supports.

Interim Progress

TVA is still in the process of evaluating the subject deficiency. Further details will be provided in our next report.