

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
1630 Chestnut Street Tower II

BLRD-50-438/85-01
BLRD-50-439/85-01

35 MAY 30 P 2 1985

U.S. Nuclear Regulatory Commission
Region II
Attn: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Dr. Grace:

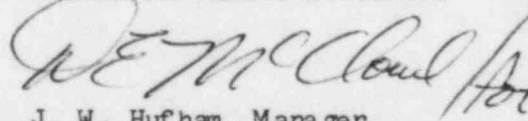
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - UNCONSERVATIVE FLANGE
QUALIFICATION ANALYSIS - BLRD-50-438/85-01, BLRD-50-439/85-01 - SECOND
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
S. Weise on December 7, 1984 in accordance with 10 CFR 50.55(e) as
NCR BLN CEB 8420. This was followed by our first interim report dated
January 7, 1985. Enclosed is our second interim report. We expect to
submit our next report on or about April 18, 1986.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY



J. W. Hufham, Manager
Licensing and Regulations

Enclosure

cc: Mr. James Taylor, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Records Center (Enclosure)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
UNCONSERVATIVE FLANGE QUALIFICATION ANALYSIS
BLRD-50-438/85-01, BLRD-50-439/85-01
BLN CEB 8420
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

The Bellefonte Nuclear Plant (BLN) Rigorous Analysis Handbook BLN-RAH-302, attachment 302.2, indicated that a normal operating temperature, as opposed to an upset temperature, may be used to qualify a flange according to ASME Code Section III, subsection NC-3658 (S79). This interpretation was effective November 20, 1982. However, a recent study has indicated that this interpretation was in error and that upset (service level B) temperatures must be used in flange qualification per NC-3658.3 (1983 edition), equation 12. Policy statement 15 to section BLN-RAH-302, issued November 5, 1984, has corrected this section. BLN piping analysis problems issued between the above dates, which used this optional attachment, may have overloaded flanges.

Interim Progress

Eighteen problems from BLN units 1 and 2 were identified to be affected by this NCR. Only one problem needs to be reanalyzed and the remainder will require documentation changes. TVA will provide further information in our next report.