

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

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June 21, 1984

BLRD-50-438/83-22

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Mr. O'Reilly:

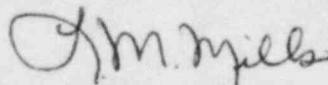
BELLEFONTE NUCLEAR PLANT UNIT 1 - INCORRECT THERMAL DATA IN PROBLEM
N4-1RK-A FROM PROGRAM "EZ" - BLRD-50-438/83-22 - THIRD INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector Linda Watson on February 16, 1983 in accordance with 10 CFR 50.55(e) as NCR BLN CEB 8303. This was followed by our interim reports dated March 16, 1983 and April 17, 1984. Enclosed is our third interim report. We expect to submit our next report by December 21, 1984.

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

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 UNIT 1
INCORRECT THERMAL DATA IN PROBLEM N4-1RK-A FROM PROGRAM "EZ"
NCR BLN CEB 8303
BLRD-50-438/83-22
10 CFR 50.55(e)
THIRD INTERIM REPORT

Description of Deficiency

Analysis problem N4-1RK has not been qualified for the thermal loading condition on essential air compressor system piping supports. In reviewing the issued analysis problem for Design Change Request (DCR) 2372, the results were found to be wrong due to the input of incorrect thermal data. This was a result of using an unverified program "EZ" and a lack of verification procedures for the "EZ" program in generating the input data.

Interim Progress

Subsequent investigation has disclosed no problems with the thermal data. In addition, TVA has determined that the "EZ" program does not require verification since its function was to create a TPIPE input deck which is subjected to a separate check during the normal calculation procedure. TVA is still in the process of reanalyzing problem N4-1RK-A in order to verify that the thermal loading condition in the essential air compressor system is qualified.