

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

April 26, 1984

BLRD-50-438/81-65  
BLRD-50-439/81-63

24 MAY 3 P12:45

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:

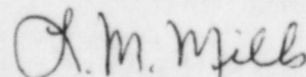
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - TURBINE DRIVEN AUXILIARY FEEDWATER  
PUMP ROOM TEMPERATURE - BLRD-50-438/81-65, BLRD-50-439/81-63 - FIFTH  
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
R. V. Crlenjak on October 6, 1981 in accordance with 10 CFR 50.55(e)  
as NCR BLN BLP 8124. This was followed by our interim reports dated  
November 3, 1981, April 28 and September 7, 1982 and June 24, 1983.  
Enclosed is our fifth interim report. We expect to submit our next report  
by January 30, 1985.

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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1983-TVA 50<sup>TH</sup> ANNIVERSARY

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2  
TURBINE DRIVEN AUXILIARY FEEDWATER PUMP ROOM TEMPERATURE  
NCR BLN BLP 8124  
BLRD-50-438/81-65, BLRD-50-439/81-63  
10 CFR 50.55(e)  
FIFTH REPORT

Description of Deficiency

Additional piping was routed through the turbine-driven auxiliary feedwater pump room. During extended periods of operating the pump, the turbine-driven auxiliary feedwater pump room maximum upset temperature of 120°F, as specified in TVA environmental design criteria N4-50-D749, may be exceeded based on the calculated room cooling load.

Interim Progress

Engineering change notice (ECN) 1435 was initiated to install ventilation fans and alleviate the problem of possibly exceeding the 120°F design maximum upset temperature in the turbine-driven AFW pump room. All design activities required to incorporate the requirements of ECN 1435 are complete except for the procurement of equipment. Questions have arisen with regard to the vendor's equipment meeting the procurement contract specifications. TVA will submit a final report upon completion of procurement activities.