

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

85 JAN 31 P 1: 36 January 21, 1985

BLRD-50-438/85-06
BLRD-50-439/85-06

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 UNITS 1 AND 2 - THE VARIANCE IN THE 120V AC AUXILIARY
POWER SUPPLY EXCEEDS SPECIFICATION - BLRD-50-438/85-06 AND BLRD-50-439/85-06 -
FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
Al Ignatonis on December 20, 1984 in accordance with 10 CFR 50.55(e) as
NCR BLN EEB 8419. Enclosed is our first interim report. We expect to
submit our next report on or about June 7, 1985.

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
J. W. Hufham, Manager
Licensing and Regulations

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 UNITS 1 AND 2
THE VARIANCE IN THE 120V AC AUXILIARY POWER SUPPLY EXCEEDS SPECIFICATION
BLRD-50-438/85-06 AND BLRD-50-439/85-06
10 CFR 50.55(e)
NCR BLN EEB 8419
FIRST INTERIM REPORT

Description of Deficiency

The minimum possible voltage levels on the 120V ac auxiliary power system (EK), trains A and B, buses may not meet the manufacturer's voltage specifications for class 1E instrument loads supplied by these buses. The class 1E 6900V buses can vary minus 5 percent from nominal before operator action is required. The 6900/480V transformer regulation may exceed minus 5 percent under worst case conditions. These cumulative source regulations plus a minus 3.6-percent regulation of the 120V instrument transformer could result in system EK voltage that will not meet specification.

Interim Progress

TVA is determining the scope of the deficiency and investigating potential corrective actions. TVA will provide further information in our next report.