

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

84 NOV 27 11:32, 1984

BLRD-50-438/84-53

BLRD-50-439/84-49

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 - VARIOUS DEFICIENCIES INVOLVING LAMBDA
POWER SUPPLIES - BLRD-50-438/84-53 AND BLRD-50-439/84-49 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on October 25, 1984 in accordance with 10 CFR 50.55(e) as
NCR 3511. Enclosed is our first interim report. We expect to
submit our next report on or about March 1, 1985. We consider 10 CFR Part 21
applicable to this deficiency.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. A. Damer
for J. W. Hufham, Manager
Licensing and Regulations

Enclosure

cc (Enclosure):

Mr. Richard C. DeYoung, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Records Center
Institute of Nuclear Power Operations
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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 VARIOUS DEFICIENCIES INVOLVING LAMBDA POWER SUPPLIES BLRD-50-438/84-53, BLRD-50-439/84-49

NCR 3511

10 CFR 50.55(e)

FIRST INTERIM REPORT

Description of Deficiency

Various deficiencies have been identified with the Lambda power supplies installed in Bailey Controls Company (BCCo) cabinets at Bellefonte Nuclear Plant (BLN). The BCCo cabinets were supplied to TVA by Babcock and Wilcox (B&W) on the NSSS contract for BLN. The Lambda power supplies are components of the reactor protection system (RPS), engineered safety features actuation system (ESFAS), essential controls and instrumentation (ECI) system, and the nonnuclear instrumentation (NNI) system. The RPS, ESFAS, ECI, and NNI systems are primary safety-related systems which, among other essential functions, provide protection to the reactor core during a loss of coolant accident (LOCA), a steam line break, or a feedwater line break. The subject deficiencies involve missing components, loose connections, incorrectly sized capacitors, corroded transformers, and others.

Interim Progress

The subject nonconformance report (NCR) has been referred to TVA's Office of Engineering (OE) for evaluation and disposition. TVA has notified B&W of the deficiency and is working with B&W to determine the corrective action for this item.