

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

84 NOV 14 P 11 November 7, 1984

BLRD-50-438/84-52

BLRD-50-439/84-48

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 - DEFECTIVE WIRING CONNECTIONS IN AUMA
MOTOR OPERATORS - BLRD-50-438/84-52 AND BLRD-50-439/84-48 - FIRST INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on October 12, 1984 in accordance with 10 CFR 50.55(e) as
NCR 3527. Enclosed is our first interim report. We expect to submit our next
report on or about March 8, 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. W. Hufham
by R.H.

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
DEFECTIVE WIRING CONNECTIOS IN AUMA MOTOR OPERATORS
BLRD-50-438/84-52, BLRD-50-439/84-48
10 CFR 50.55(e)
NCR 3527
FIRST INTERIM REPORT

Description of Deficiency

A condition was identified at Bellefonte Nuclear Plant (BLN) in which vendor-installed wires had fallen out of their respective terminal lugs on the motor operators for valves 1-KE-IFCV-056-B and 1-KE-IFCV-537-B. Further investigation has revealed that a variety of deficiencies exist with the vendor wiring connections in the motor operators of all 16 of the essential raw cooling water (ERCW) system strainer backwash valves. These deficiencies include bad or incomplete crimps, wrong terminal lug sizes, misapplication of crimping tools, and improper insertion of wire into terminal barrels.

The affected valves are located in the intake pumping station (IPS) at BLN. There are eight valves per unit. The valves and motor operators were supplied to TVA by the Jamesbury Corporation, Worcester, Massachusetts. The motor operators were manufactured by Auma Actuators, Incorporated, Germany.

Interim Progress

TVA is still in the process of investigating the possible corrective actions for the subject deficiency.