

TENNESSEE VALLEY AUTHORITY

ATLANTA, TENNESSEE 37401

400 Chestnut Street Tower II

83 JUL 18 A 7: 20 July 14, 1983

BLRD-50-438/83-40

BLRD-50-439/83-34

U.S. Nuclear Regulatory Commission
Region II

Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30302

Dear Mr. O'Reilly:

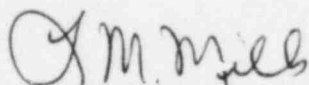
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - FIELD CABLES NOT TERMINATED IN
PENETRATIONS PROPERLY - BLRD-50-438/83-40, BLRD-50-439/83-34 - FIRST INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
L. Watson on June 14, 1983 in accordance with 10 CFR 50.55(e) as NCRs BLN 2383,
2384, 2385, and 2395. Enclosed is our first interim report. We expect to
submit our next report by December 29, 1983.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Licensing

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
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

OFFICIAL COPY

IE 27

111

8307220437 830714
PDR ADOCK 05000438
S PDR

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
FIELD CABLES NOT TERMINATED IN PENETRATIONS PROPERLY
BLRD-50-438/83-40, BLRD-50-439/83-34
NCRs 2383, 2384, 2385, AND 2395
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

NCRs 2383, 2384, and 2385 identify that in several electrical cable penetration terminations the correct application of Raychem tubing, end caps, or cable breakouts was not adhered to per TVA drawings. This has resulted in incorrect lengths of Raychem tubing on cable splices, insufficient distance between Raychem 2- and 3-point cable breakouts, and no end caps on spare conductors. NCR 2395 was issued to identify the generic implication of the three previously mentioned NCRs and a possible generic deficiency in the electrical quality control (EQC) training and inspection program. The apparent cause of these deficiencies is a lack of proper interpretation of TVA drawings by TVA Construction (CONST) craft and EQC inspectors.

Interim Progress

NCRs 2383 and 2384 address the inadequate lengths of Raychem tubing. TVA has reinspected the affected cable penetration terminations and is presently investigating the possibility of using the terminations "as is." NCR 2385 addresses the lack of Raychem end caps on spare cable penetrations. TVA's Division of Engineering Design (EN DES) is reviewing the recommendation that a work release be generated to check all previous terminations and install end caps on spare conductors as required per applicable TVA drawings. TVA CONST craft personnel and EQC inspectors will be retrained, per Bellefonte Nuclear Plant (BLN) Quality Control Procedure (QCF) 10.29, in the proper application of termination procedures per TVA drawings.