

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

April 17, 1984

BLRD-50-438/84-26

BLRD-50-439/84-25

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 PLANTS UNITS 1 AND 2 - SHRINKAGE/SPLITS IN DOW CORNING
FOAM PENETRATION SEALS BLRD-50-438/84-26, BLRD-50-439/84-25 - FIRST INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on March 19, 1984 in accordance with 10 CFR 50.55(e) as
NCR 2927. Enclosed is our first interim report. We expect to submit our
next report by June 27, 1984.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

D S Kammer

for 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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ENCLOSURE

BELLEFONTE NUCLEAR PLANTS UNITS 1 AND 2
SHRINKAGE/SPLITS IN DOW CORNING FOAM PENETRATION SEALS
BLRD-50-438/84-26, BLRD-50-439/84-25
NCR 2927
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Bus penetrations located in Diesel Generator Building Units 1 and 2 were reinspected due to the fact that after an extended period of time, shrinkage and splits have occurred in the larger penetration seals. These penetrations were reinspected to assure room temperature vulcanizing (RTV) foam firestops were still in compliance with Bellefonte Quality Control Procedure (BNP-QCP) 5.18, "Firestops, Waterstops, and Pressure Seals." There are eight bus penetrations in each unit. A total of seven penetrations were reinspected in both units and two penetrations in unit 1 and two in unit 2 had excessive splits and shrinkage.

In addition to reinspection in the Diesel Generator Buildings, RTV foam seals were reinspected in the Auxiliary Building. Four seals were reinspected and two of them had excessive shrinkage.

The apparent cause of this deficiency is undetermined at this time.

Interim Progress

The subject nonconformance condition report (NCR) has been sent to TVA's Division of Engineering Design (EN DES) with a recommended disposition to repair per manufacturer's instructions and in accordance with BNP-QCP 5.18 and to consult with the manufacturer and determine if further disposition is necessary.

In addition, TVA is in the process of inspecting the remaining nine large penetration seals in diesel generator buildings 1 and 2 and determining what other seals could be affected.