

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

July 31, 1985

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BLRD-50-438/84-34
BLRD-50-438/85-18
BLRD-50-439/85-18

U.S. Nuclear Regulatory Commission
Region II
Attn: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Dr. Grace:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - CONDUIT SUPPORT STIFFENER PLATES NOT
INSTALLED PER DRAWING - BLRD-50-438/84-34, BLRD-50-438/85-18,
BLRD-50-439/85-18 - FOURTH INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on May 10, 1984 in accordance with 10 CFR 50.55(e) as NCR
3069. This was followed by our first interim report dated June 4, 1984.
Subsequently, NCR 3457, which documents a similar condition, was initiated and
was reported on with NCR 3069 in TVA's second interim report dated
September 24, 1984. Two more items, NCR 3454 and NCR 3684, which document
similar conditions, were initiated and TVA reported on all these NCRs
simultaneously in the third interim report dated February 27, 1985. A related
condition documented in NCR 4254 was reported on separately in a first interim
report dated June 26, 1985 under CDR No. BLRD-50-438/85-18,
BLRD-50-439/85-18. TVA intends to report on all of the aforementioned NCRs
simultaneously. Enclosed is our fourth interim report. We expect to submit
our next report on or about March 31, 1986. The date of November 22, 1985 for
submittal of our next report on NCR 4254 as mentioned in our letter of
June 25, 1985 is no longer valid.

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 Risk Protection

Enclosure

cc: See page 2

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PDR ADCK 05000438
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U.S. Nuclear Regulatory Commission

July 31, 1985

cc: Mr. James Taylor, 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

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
CONDUIT SUPPORT STIFFENER PLATES NOT INSTALLED PER DRAWING
BLRD-50-438/84-34, BLRD-50-438/85-18, BLRD-50-439/85-18
NCRs 3684 AND 4254
10 CFR 50.55(e)
FOURTH INTERIM REPORT

Description of Deficiency

Numerous deficiencies involving electrical conduit and conduit support installations which were initially inspected and accepted during the timeframe from 1979 to 1984 have been identified at Bellefonte Nuclear Plant (BLN). Several nonconformance reports (NCRs) have been issued by TVA to document the subject deficiencies. NCRs 3684 and 4254 will be used to track these deficiencies and are identified below.

TVA has determined that the apparent cause of these deficiencies was a lack of knowledge regarding detailed design and construction requirements by personnel performing electrical conduit and conduit support installation and inspection activities during the identified timeframe (1979 to 1984).

NCR BLN 3684

Due to the conditions identified by previously issued NCRs, TVA performed a reinspection of 15 randomly selected electrical hanger installations which had been initially inspected and accepted during the 1979 to 1984 timeframe. From this reinspection, 4 supports were identified with various deficiencies such as incorrect bolt sizes, inadequate welds, interferences, incorrect configuration, and incorrect mark number of support installed.

NCR BLN 4254

Numerous NCRs have been written to document deficiencies in conduit installations in the intake pumping station (IPS) at BLN. These installations were previously inspected and documented (prior to January 1, 1984) as acceptable. The NCRs identify deficiencies similar to those identified in NCR BLN 3684 above.

Interim Progress - NCRs 3684 and 4254

Due to the similarity of the problems associated with NCRs 3684 and 4254, TVA has initiated a reinspection program for all conduit and conduit support installations. All deficiencies identified during the reinspection program will be documented and corrected per applicable TVA procedures. Also, BLN Quality Control Procedure (QCP) 3.32 "Raceway Verification," has been revised to include the inspection criteria for conduit and supports. The walk-down inspections performed by QCP-3.32 will provide additional assurance that design requirements have been met for all conduit installations.

TVA will provide the next report to the NRC on this item on or about March 31, 1986.