

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

April 30, 1984

3 P12: 45

BLRD-50-438/84-29  
BLRD-50-439/84-28

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:

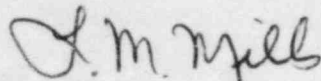
BELLEFONTE NUCLEAR PLANTS UNIT 1 AND 2 - REQUIRED 1-INCH SEPARATION OF  
FLEX CONDUIT NOT MAINTAINED BLRD-50-438/84-29, BLRD-50-439/84-28 - FIRST  
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
Ross Butcher on April 3, 1984 in accordance with 10 CFR 50.55(e) as  
NCR 2995. Enclosed is our first interim report. We expect to submit our  
next report by September 12, 1984.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY



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  
REQUIRED 1-INCH SEPARATION OF FLEX CONDUIT NOT MAINTAINED  
BLRD-50-438/84-29, BLRD-50-439/84-28  
NCR 2995  
10 CFR 50.55(e)  
FIRST INTERIM REPORT

Description of Deficiency

Flex conduits 1A3-2049 and 1A2-2024-A in the auxiliary building do not have a 1-inch separation as required by Bellefonte drawing 5AW0818-RU-1 R15. Drawing note 22 on drawing 5AW0818-RU-1 R15 requires that a 1-inch minimum separation distance be maintained between conduits of different trains, and states that noncombustible spacers may be used to maintain this minimum separation distance. Design details for noncombustible spacers exist only for 3-inch flexible conduit in the reactor building. This detail was the result of field change request E-3124 and does not apply to other areas of the plant or other size flexible conduit.

TVA General Construction Specification G-40 (G-40), paragraph 3.2.6.2.1(a) requires that flexible conduit installations "contain enough slack to form a 1-inch loop at midpoint between couplings, or to permit displacement of a minimum of 1-inch between centerlines of couplings." The apparent cause of this deficiency is that due to the G-40 requirement and the movable nature of flexible conduit, cable pulling, and other construction activities may cause movement in the conduits. Without spacers to maintain the required 1-inch separation, conduits in close proximity to others may move to less than 1-inch of one another.

Interim Progress

Nonconformance report 2995 has been submitted to TVA's Division of Engineering Design for determination of corrective action and evaluation of the generic implications and action required to prevent recurrence.