

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

May 23, 1983

BLRD-50-438/83-32  
BLRD-50-439/83-28

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NO REGION II  
ATA, GEORGIA

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 PLANT UNITS 1 AND 2 - CABLE BEND RADII IN GOING FROM  
VERTICAL TO HORIZONTAL TRAYS - BLRD-50-438/83-32, BLRD-50-439/83-28 - FIRST  
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
Linda Watson on April 22, 1983 in accordance with 10 CFR 50.55(e) as  
NCR 2331. Enclosed is our first interim report. We expect to  
submit our next report by October 21, 1983.

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*

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 PLANT UNITS 1 AND 2  
CABLE BEND RADII IN GOING FROM VERTICAL TO HORIZONTAL TRAYS  
BLRD-50-438/83-32, BLRD-50-439/83-28

10 CFR 50.55(e)

NCR 2331

FIRST INTERIM REPORT

Description of Deficiency

TVA construction specification G-38 requires a minimum bend radius of no less than 19.6 inches for 8kV power cables to prevent overstressing the cable insulation. Some of the cable tray fittings used at Bellefonte require an installed cable bend radius as short as 7 inches.

Interim Progress

TVA is contacting the vendor to provide assistance in determining if a 7-inch bend radius will permit acceptable cable performance.