

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 22, 1982

BLRD-50-438/82-61

BLRD-50-439/82-54

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

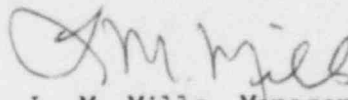
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - DESIGN BASIS FOR UNISTRUT
INSTRUMENTATION HANGERS - BLRD-50-438/82-61, BLRD-50-439/82-54 - FIRST
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
D. Quick on August 23, 1982 in accordance with 10 CFR 50.55(e) as NCR
BLN BLP 8224. Enclosed is our first interim report. We expect to submit
our next report by March 24, 1983.

If you have any questions concerning this matter, 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

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
DESIGN BASIS FOR UNISTRUT INSTRUMENTATION HANGERS
NCR BLN BLP 8224
BLRD-50-438/82-61, BLRD-50-439/82-54
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Instrumentation lines at Bellefonte Nuclear Plant are supported by typical hangers made from Unistrut components. Calculations to verify the seismic response and to assure that stress limits are not exceeded are not available. The design basis for the Unistrut typical instrument hangers is unverifiable and potentially unconservative.

Interim Progress

TVA is testing the supports at Singleton Materials Engineering Laboratory to determine the allowable hanger capacity. These tests are being performed in accordance with ASME code section NF-3260. Testing has been completed for some of the typical hangers. After all of the required tests have been performed, the results will be used to document that the loads applied to the hangers are within allowable limits. More information will be forwarded in our next report.