

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

June 13, 1985

BLRD-50-438/84-36
BLRD-50-439/84-33

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 - FAILURE TO IMPACT TEST SUPPORT
MATERIALS - BLRD-50-438/84-36, BLRD-50-439/84-33 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on May 9, 1984 in accordance with 10 CFR 50.55(e) as
NCR BLN CEB 8407. Our first interim report was submitted on June 4, 1984.
Enclosed is our final report indicating that no nonconforming condition
exists and that this matter is no longer considered reportable under the
provisions of 10 CFR 50.55(e).

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. A. Dornier
for J. W. Hufham, Manager
Licensing and Regulations

Enclosure

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

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
FAILURE TO IMPACT TEST SUPPORT MATERIALS
BLRD-50-438/84-36, BLRD-50-439/84-33
NCR BLN CEB 8407
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

Bellefonte Nuclear Plant (BLN) pipe support material impact test requirements are specified by the ASME B&PV Code Section III, subsection NF-5211, and BLN Design Specification BLNP-DS-1915-2992-01. From these sources, ASME safety classes 1, 2, and 3 seismic pipe supports located in areas where the ambient service temperature can fall below 40°F are required to be constructed from materials meeting impact test requirements. Due to misinterpretation of the BLN design specification, various pipe supports in such areas were constructed from materials which had not been qualified to impact test requirements.

Safety Implications

TVA identified all the pipe support materials subject to impact test requirements and either tested the materials in a TVA test facility or requested ITT-Grinnell to do so. All of the tested materials were accepted for use "as is" based on the test results. In addition, a fracture mechanics evaluation was performed which confirmed the test results.

Consequently, TVA has determined that no nonconforming condition exists, and therefore, this condition is no longer considered reportable under the provisions of 10 CFR 50.55(e).