

TENNESSEE VALLEY AUTHORITY

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CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

34 SEP 14 P 1: 23 September 11, 1984

BLRD-50-438/84-45
BLRD-50-439/84-41

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - SUPPORTS MAY BE IMPROPERLY
ATTACHED TO INTENSIFIED COMPONENTS - BLRD-50-438/84-45, BLRD-50-439/84-41 -
FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on August 9, 1984 in accordance with 10 CFR 50.55(e) as NCR
BLN CEB 8411. Enclosed is our first interim report. We expect to submit our
next report on or about January 29, 1986.

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

DS Kammer

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
RIGOROUSLY ANALYZED SUPPORT LOCATIONS NOT VERIFIED
BLRD-50-438/84-45, BLRD-50-439/84-41
NCR BLN CEB 8411
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Some pipe supports designed by ITT-Grinnell, Providence, Rhode Island, and located on alternately analyzed safety-related systems have incorporated welded pipe attachments on intensified components. These components are typically piping elements such as elbows, tees, etc., that are subject to stress intensification. This arrangement violates TVA's alternate analysis criteria and is an unacceptable design configuration.

Interim Progress

TVA is in the process of determining the locations and number of ITT-Grinnell-designed integral attachments welded to intensified components on alternately analyzed systems. An evaluation will then be made to determine the corrective action to be taken against the deficient designs.