

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

August 18, 1981

BLRD-50-438/81-50  
BLRD-50-439/81-52

Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Region II - Suite 3100  
101 Marietta Street  
Atlanta, Georgia 30303



Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - MAIN STEAM VALVE ROOM A PIPE  
ANCHOR SUPPORT LOADS - BLRD-50-438/81-50, BLRD-50-439/81-52 - FIRST  
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
R. V. Crlenjak on July 21, 1981 in accordance with 10 CFR 50.55(e) as NCR  
BLN BLP 8120. Enclosed is our first interim report. We expect to submit  
our next report by October 8, 1981.

If you have any questions concerning this matter, please get in touch  
with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*for M. Mills*  
for M. Mills, Manager  
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Jr., Director (Enclosure)  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

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ENCLOSURE  
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2  
MAIN STEAM -LVE ROOM A PIPE ANCHOR SUPPORT LOADS  
BLRD-50-438/81-50, BLRD-50-439/81-52  
10 CFR 50.55(e)  
FIRST INTERIM REPORT

Description of Deficiency

Two main steam pipe anchors and one feedwater pipe anchor (6-way restraints) per unit are attached to the R-line wall in the A main steam valve rooms. The original design of the R-line wall and roof slabs was accomplished using preliminary loads and preliminary anchor design concepts. When the anchor design was completed and the actual anchor embedment loads determined, the actual loads were significantly higher than the preliminary design loads, but the R-line wall and roof slabs were not reevaluated.

Interim Progress

Additional analysis is being performed on the R-line wall and roof slabs. The new analysis will account for the presence of a stiffening wall perpendicular to the R-line wall in the proximity of the center most main steam line anchor. Should this approach result in the wall remaining inadequate, the wall will be strengthened with a series of concrete stiffening elements.