

400 Chestnut Street Tower II

July 6, 1981

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 - FILLET WELD MISSPECIFICATION -
NCR BLN BLP 8007 - FOURTH INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. W. Wright on November 7, 1980, in accordance with 10 CFR 50.55(e). This was followed by our interim reports dated December 3, 1980, January 19, 1981, and April 9, 1981. Enclosed is our fourth interim report. We expect to submit our next report by September 23, 1981. This deficiency has also been reported for every TVA nuclear plant.

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

L. M. Mills
L. 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
FILLET WELD MISSPECIFICATION
NCR BLN BLP 8007
10 CFR 50.55(e)
FOURTH INTERIM REPORT

Description of Deficiency

In a number of Bellefonte Nuclear Plant systems, fillet welds were specified, in lieu of beveled groove welds, to connect members whose angle of intersection is outside the limits for fillet weld application as stipulated in the American Institute of Steel Construction (AISC) Standards. The AISC Standard states that the welds which are made joining members at an angle of 60° or less are to be defined as acute angle welds. Acute angle welds should be specified as beveled groove welds according to AISC.

Interim Progress

TVA has fabricated representative mockups of the subject deficient welds. The Singleton Laboratory has been authorized to perform destructive tests on these mockups and will provide TVA with the results of these tests.