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 O'REILLY, J.P. Region 2, Atlanta, Office of the Director

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SUBJECT: First interim deficiency rept re fillet weld misspecification. American Inst of Steel Const stds & affected welds are being evaluated. Next rept will be submitted by 810119.

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 TITLE: Construction Deficiency Report (10CFR50.55E)

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December 3, 1980

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Mr. James R. 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 - FIRST 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). Enclosed is our first interim report. We expect to submit our next report by January 19, 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

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)
FIRST 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 is in the process of evaluating the AISC Standards and the affected welds in order to determine a satisfactory resolution.