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 50-439 Bellefonte Nuclear Plant, Unit 2, Tennessee Valley Au 05000439
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 RECIP. NAME: O'REILLY, J. P. RECIPIENT AFFILIATION: Region 2, Atlanta, Office of the Director

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SUBJECT: First interim deficiency rept re failure to establish verification & insp measures for safety-related welding. Util is evaluating issue & impact on QA program. Next rept will be forwarded by 810306.

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

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

October 20, 1980

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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 - CONSTRUCTION QA AUDIT DEFICIENCY
SAFETY-RELATED NON-ASME WELD INSPECTION BN-W-80-08 - FIRST INTERIM REPORT

On September 4, 1980, R. W. Wright, NRC-OIE Region II, was informed that the subject nonconformance was determined to be reportable in accordance with 10 CFR 50.55(e). Enclosed is our first interim report. We expect to submit our next report by March 6, 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
CONSTRUCTION AUDIT DEFICIENCY SAFETY-RELATED NON-ASME WELD INSPECTION
BN-W-80-08
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Contrary to FSAR Section 17.1A.9 requirements, the Office of Engineering Design and Construction QA Program for Control of Special Processes does not contain written measures to ensure that safety-related welding receives all inspections/verifications required by Codes, standards and 10 CFR 50 Appendix B commitments. As a result, certain categories of safety-related welding have/are not receiving the inspections required by ANSI 45.2.5-1974 to verify quality. The required inspections not being performed include:

- Verification of welding procedure and compliance thereto;
- Verification of welder qualification;
- Verification of joint fitup; and
- Verification of correct filler metal usage.

Although this deficiency was originally written on Bellefonte Nuclear Plant, it has been determined to be generic to all TVA nuclear plants under construction.

Interim Progress

TVA is evaluating this concern and its impact on TVA's QA program.