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

SUBJECT: First interim deficiency rept re welder qualification.
 Welding personnel not properly qualified per AWS D1.1 as
 required by Process Specification 1.C.1.2 of G-29c for
 performing Class 1 seismic welding. Next rept 810624.

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TENNESSEE VALLEY AUTHORITY

MEMPHIS, TENNESSEE 38101

400 Chestnut Street Tower II

March 25, 1981

BLRD-50-438/81-21

BLRD-50-439/81-22

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 - WELDER QUALIFICATION -
BLRD-50-438/81-21, BLRD-50-439/81-22 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector F. S. Cantrell on February 11, 1981, in accordance with 10 CFR 50.55(e) as NCR 1366. An extension for submitting our 30-day report was discussed with R. V. Crlenjak by telephone on March 11, 1981. Enclosed is our first interim report. We expect to submit our next report by June 24, 1981.

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

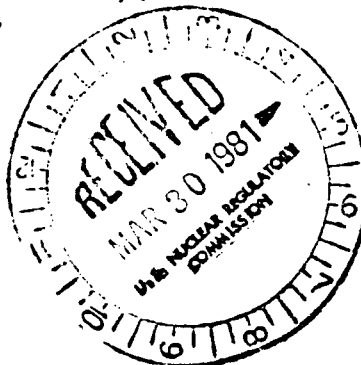
Very truly yours,

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
WELDER QUALIFICATION
BLRD-50-438/81-21, BLRD-50-439/81-22
FIRST INTERIM REPORT

Description of the Deficiency

This deficiency identifies the failure of the Tennessee Valley Authority's (TVA's) Division of Construction at Bellefonte Nuclear Plant (BLNP) to conform to criteria stated in TVA's General Construction Specification G-29C, "Process Specifications for Welding, Heat Treatment, Nondestructive Examination, and Allied Field Fabrication Operations." BLNP welding personnel were not properly qualified in accordance with the requirements of AWS D1.1 as required by Section 5.0 of Process Specification 1.C.1.2 of G-29C for performing fabrication of TVA Class I (Limited) seismic pipe supports at the BLNP site. All welders involved were, however, qualified to the requirements of the ASME code for pipe and/or plate of various thickness.

Interim Progress

TVA is evaluating acceptability of the supports based on the equivalence or similarities between welder qualification requirements of the ASME code and the AWS code for the welds involved. In addition, TVA has initiated action at the BLNP site to ensure that all personnel fabricating seismic pipe supports are qualified in accordance with the requirements of AWS Code as required by Section 5.0 of Specification G-29C. TVA is also conducting an investigation to determine if a similar deficiency exists at other TVA nuclear facilities.