

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

January 10, 1983

BLRD-50-438/83-03
BLRD-50-439/83-01

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

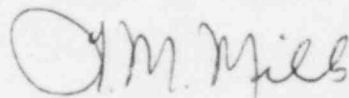
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - UNQUALIFIED WELDING ON CABLE TRAY
SUPPORTS - BLRD-50-438/83-03, BLRD-50-439/83-01 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on December 13, 1982 in accordance with 10 CFR 50.55(e)
as NCR 2120. Enclosed is our first interim report. We expect to submit
our next report on or about April 19, 1983.

If you have any questions concerning this matter, please get in touch with
R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Licensing

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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ENCLOSURE
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
UNQUALIFIED WELDING ON CABLE TRAY SUPPORTS
10 CFR 50.55(e)
NCR 2120
BLRD-50-438/83-03, BLRD-50-439/83-01
FIRST INTERIM REPORT

Description of Deficiency

Three TVA welders working on safety-related cable trays made welds using weld processes they had not been qualified to perform. The welders had been qualified to perform short-circuit Gas Metal Arc Welding (GMAW) but the weld process used on the supports in question was the globular transfer process. The globular transfer process is also a GMAW technique but the amperage and voltage settings used are higher than those used with the short-circuit process.

The welders also used the short-circuit process for welds other than fillet welds. The short-circuit process procedure is only qualified for use on fillet welds.

Interim Progress

TVA is investigating the nonconformance to determine the appropriate corrective action, cause, and actions required to prevent recurrence.