

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

June 9, 1981

80-041-034 ✓

80-038-034 ✓



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 - SOCKET WELD MISALIGNMENT ON
ESSENTIAL AIR SYSTEM WELDS - NCR 1267 - FOURTH INTERIM REPORT

The subject nonconformance was initially reported to NRC-OIE Inspector
R. W. Wright on September 30, 1980, in accordance with 10 CFR Part
50.55(e). This was followed by our interim reports dated October 29 and
December 16, 1980, and February 11, 1981. Enclosed is our fourth interim
report. We expect to submit our next written report by September 1, 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 by OSK

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
SOCKET WELD MISALIGNMENT ON ESSENTIAL AIR SYSTEM WELDS
NCR 1267
10 CFR 50.55(e)
FOURTH INTERIM REPORT

Description of Deficiency

Approximately 13 of 21 socket welds in the Essential Air System piping surveyed by nondestructive examination (NDE) apparently failed to meet TVA welding specifications and procedures (G-29M, drawing S.M.1.2-11 R1) relative to minimum pipe to socket fitting engagement requirements. Further investigation revealed that 20 percent of approximately 100 socket welds in various other systems surveyed also failed to meet the same specifications.

Interim Progress

TVA has determined that the welds in question are structurally usable as is because the insertion depth of the piping into the socket does not affect the strength of the weld. However, TVA is still in the process of reviewing the subject deficiency to determine further corrective actions.