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

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SUBJECT: Second interim deficiency report re socket weld misalignment on essential air sys welds. Inspectors were reinstructed re requirements of G-29M & applicable field const procedures. Std operating procedure BNP-WEU-SOP-711 revised.

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

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A.J.

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

December 16, 1980

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:

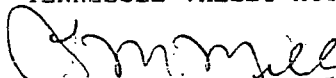
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - SOCKET WELD MISALIGNMENT ON
ESSENTIAL AIR SYSTEM WELDS - NCR 1267 - SECOND INTERIM REPORT

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 first interim report
dated October 29, 1980. Enclosed is our second interim report. We
expect to submit our next written report by February 11, 1981.

If you have any questions, please call 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
SOCKET WELD MISALIGNMENT ON ESSENTIAL AIR SYSTEM WELDS
NCR 1267
10 CFR 50.55(e)
SECOND 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 1.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

To date, TVA is still in the process of evaluating the subject socket welds. ASME Code Case meetings, scheduled to take place in early January, should contribute to clarification of requirements for socket welding. These meetings should have a direct bearing on the disposition of the subject deficiency.

The NDE inspectors were reinstructed in the requirements of G-29M and applicable field construction procedures. This reinstruction was completed October 27, 1980. Reinstruction of the craft is in progress and will be complete by March 1, 1981. In addition standard operating procedure (BNP-WEU-SOP-711), Spot Radiography Procedure, was revised October 22, 1980, to include spot radiography of socket welds.