

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

82 FEB 19 1982
February 17, 1982

BLRD-50-438/81-45
BLRD-50-439/81-47

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 - DRESSER SAFETY VALVES -
BLRD-50-438/81-45, BLRD-50-439/81-47 - SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector D. Quick on July 9, 1981 in accordance with 10 CFR 50.55(e) as NCR BLN NEB 8109. This was followed by our first interim report dated August 7, 1981. Enclosed is our second interim report. We expect to submit our next report by October 14, 1982. We consider 10 CFR Part 21 applicable to this deficiency.

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 Regulation and Safety

Enclosure

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

Mr. James McFarland (Enclosure)
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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
DRESSER SAFETY VALVES
BLRD-50-438/81-45, BLRD-50-439/81-47
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

A Dresser safety valve, model 31709NA, recently tested in EPRI's safety and relief valve test program apparently suffered unacceptable internal damage during a full pressure steam test. The configuration of piping associated with this valve is similar, but not identical, to that intended for use at Bellefonte; and at this time it is uncertain if the piping configuration or the valve is deficient. The Dresser valves are to be used at Bellefonte as pressurizer safety valves.

The valve was tested June 3, 1981 with the valve set to open at 2480 psia. The valve opened at 15 psi below this set point, chattered severely, and subsequently failed to close properly. Post test inspection of the valve indicated internal damage to components including galling of guide surfaces.

Interim Progress

TVA has received preliminary test data from the Electric Power Research Institute (EPRI) valve test program and is in the process of evaluating this data. TVA expects receipt of the final test report during July 1982.