

400 Chestnut Street Tower II

June 18, 1981

~~BLRD-50-438/81-38~~
~~BLRD-50-439/81-41~~



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 - STEAM PRESSURE REGULATOR
MALFUNCTION - BLRD-50-438/81-38, BLRD-50-439/81-41 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on May 19, 1981, in accordance with 10 CFR 50.55(e) as
NCR BLN NEB 8105. Enclosed is our first interim report. We expect to
submit our next report by September 30, 1981. We consider 10 CFR Part 21
to be applicable to this deficiency.

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

Mr. James McFarland (Enclosure)
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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
STEAM PRESSURE REGULATOR MALFUNCTION
BLRD-50-438/81-38, BLRD-50-439/81-41
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

During a May 6, 1981, telecon between TVA and B&W, B&W was not able to specify the minimum departure from nucleate boiling ratio (DNBR) which would result should a steam pressure regulator malfunction occur. Therefore, TVA is unable to verify the extent of damage which would result from a steam pressure regulator malfunction. This is unacceptable since the chapter 15 FSAR analysis states that the steam pressure regulator malfunction is bounded by the steam line break event. Also, the steam pressure regulator malfunction is a condition II event and, as such, must have a minimum DNBR greater than 1.24, per section 4.2.3.3.5 of the FSAR. As stated above, B&W is unable to verify this.

This condition may be applicable to other B&W-supplied NSS's; however it affects no other TVA plants since Bellefonte represents TVA's only B&W-supplied NSS.

Interim Progress

TVA is working with B&W toward a resolution of this problem. TVA sent a copy of the nonconformance report to B&W by formal letter and has requested their response/disposition.