

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

November 20, 1981

USNRC REGION
ATLANTA, GEORGIA

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BLRD-50-438/81-68

BLRD-50-439/81-67

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 - OVERTORQUEING OF BOLTS ON FLOW
CONTROL VALVE - BLRD-50-438/81-68, BLRD-50-439/81-67 - FIRST INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on October 22, 1981 in accordance with 10 CFR 50.55(e) as
NCR 1620. Enclosed is our first interim report. We expect to submit our
next report by January 5, 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

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

BELIEFONTE NUCLEAR PLANT UNITS 1 AND 2
OVERTORQUEING OF BOLTS ON FLOW CONTROL VALVE
BLRD-50-438/81-68, BLRD-50-439/81-67
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

During torquing operation in the field on the motor operator adapter to the residual heat removal isolation valve (mark No. 3AW0412-ND-3 12-inch ASME III Class 2 motor-operated gate valve), a stud failed. Other studs on examination showed elongation. All studs had been torqued to 518 ft-lbs. Borg Warner's drawing 80590 requires 500-550 ft-lbs.

Interim Progress

Borg Warner was contacted. Their review of the problem showed that the torque value listed on drawing 80590 for the motor operator adapter to yoke connection studs was in error.

Borg Warner is to revise the drawing to show the correct torque value (120-140 ft-lbs). TVA will replace the studs using the newly refined torque values and during installation verify that tapped threads in the adapter are not damaged.

Additionally, Borg Warner has been requested to review all drawings/contracts supplied to TVA to determine if this situation exists elsewhere.