

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

March 23, 1984

BLRD-50-438/83-61
BLRD-50-439/83-54

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

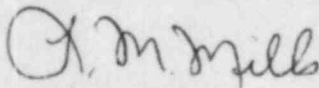
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - OVERTORQUED STUDS
ON BORG-WARNER GATE VALVE MOTOR OPERATORS - BLRD-50-438/83-61,
BLRD-50-439/83-54 - SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on November 21, 1983 in accordance with 10 CFR 50.55(e)
as NCR 2390. This was followed by our interim report dated December 19,
1983. Enclosed is our second interim report. We expect to submit our next
report by July 10, 1984. We consider 10 CFR Part 21 applicable to this
deficiency.

If you have any questions, please get in touch with R. H. Shell at
FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Licensing

Enclosure

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

Records Center (Enclosure)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
OVERTORQUED STUDS ON BORG-WARNER
GATE VALVE MOTOR OPERATORS
BLRD-50-438/83-61, BLRD-50-439/83-54
NCR 2390
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

The operator studs on the 6-inch 150 lb motor-operated gate valves (which isolate the auxiliary feedwater (AFW) from the emergency raw cooling water (ERCW)) could not be torqued to the 140-160 ft-lbs specified on Borg-Warner Corporation, (Van Nuys, California) drawing No. 79760. When approximately 70 percent of the recommended torque was applied, the maximum allowable yield stress for these studs was exceeded resulting in elongation.

Interim Progress

Borg-Warner is continuing their review of the affected drawings to assure that all deficient valves are identified and drawings revised, as required.