

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

May 25, 1983

USNRC REGION II
ATLANTA, GEORGIA

83 MAY 27 48:49

BLRD-50-438/82-37

BLRD-50-439/83-08

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 - FAILURE OF B.I.F. BUTTERFLY VALVE
SEATS - BLRD-50-438/82-37, BLRD-50-439/83-08 - FOURTH INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on May 11, 1982 in accordance with 10 CFR 50.55(e) as NCR 1819. This was followed by our interim reports dated June 8, and October 29, 1982 and February 8, 1983. Related NCRs 2170, 2186, and 2187 were included in our second interim report. NCR 2231 has since been reported and is now being included as part of this 50.55(e) concern. Enclosed is our fourth interim report. We expect to submit our next report by August 1, 1983. 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

D Skammer

for 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

OFFICIAL COPY

IE 27

11

8306010405 830525
PDR ADOCK 05000438
S PDR

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNIT 1
FAILURE OF B.I.F. BUTTERFLY VALVE SEATS
NCRs 1819, 2170, 2186, 2187, 2231
BLRD-50-438/82-37, BLRD-50-439/83-08
10 CFR 50.55(e)
FOURTH INTERIM REPORT

Description of Deficiency

The following butterfly valves, manufactured by Basics Inflow Incorporated (BIF) a unit of General Signal Corporation, West Warwick, Rhode Island, which are used in the Essential Air System were determined to be leaking in excess of an acceptable rate.

<u>UNID Number</u>	<u>Mark No.</u>	<u>Contract No.</u>	<u>Item No.</u>	<u>BIF Serial Number</u>
1RJ-VTAC-50B	3BW0471-00-20	76k38-86163-3	577	N-49445-10
1RJ-VTAC-44B	3BW0471-00-15	76K38-86163-3	576	N-49444-7
1RJ-VTAC-27A	3BW0471-00-15	76K38-86163-3	576	N-49444-2

Further investigation revealed that the rubber seats had failed because of damage, i.e., the seats were cut and portions were missing. The cause of the damage was not apparent.

Interim Progress

The deficient valves, along with a sample of other BIF valves of the same design and vintage, were returned to BIF in the "as supplied" condition for inspection and testing. The valves have passed the testing, however, the test results have not been formally transmitted to TVA. TVA will submit a final report on this deficiency upon receipt, review, and acceptance of BIF's test report.