

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

February 8, 1983

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, Suite 3100
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 - THIRD INTERIM REPORT

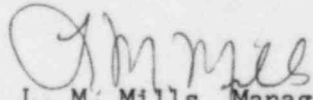
The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on May 11, 1982 in accordance with 10 CFR 50.55(e) as NCR
1819. This was followed by our interim reports dated June 8, and
October 29, 1982. Enclosed is our third interim report. We expect to
submit our next report by May 31, 1983. We consider 10 CFR Part 21
applicable to this deficiency.

As a result of TVA's investigations to determine the cause of this
deficiency, additional related deficiencies were discovered. Consequently,
since the disposition of the deficiency cited in NCR 1819 has already been
approved by TVA, NCR 2170, on unit 2 and NCRs 2186 and 2187, both on unit 1
were initiated to document the additional deficiencies and are included as
part of this 50.55(e) concern.

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 Licensing

Enclosure

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

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ENCLOSURE

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

TVA has received the response from BIF indicating their recommended disposition. TVA is presently reviewing BIF's response and will provide another report upon completion of our review.