

C 04/19/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-438/439

REC: OREILLY J P
NRC

ORG: GILLELAND J E
TN VALLEY AUTH

DOCDATE: 04/12/78
DATE RCVD: 04/18/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 1 ENCL 1

FORWARDING CONSTRUCTION DEFICIENCY REPT CONCERNING DIAPHRAGM VALVES HAVE BEEN PROCURED WHICH MAY NOT OPERATE AGAINST THEIR SYSTEM DESIGN AND/OR MAXIMUM OPERATING PRESSURES, USED FOR SAFETY-RELATED APPLICATION IN THE MAKEUP, CHEMICAL ADDITION, AND WASTE DISPOSAL SYSTEM.

PLANT NAME: BELLEFONTE - UNIT 1
BELLEFONTE - UNIT 2

REVIEWER INITIAL: XJM
DISTRIBUTER INITIAL: *nl*

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

CONSTRUCTION DEFICIENCY REPORT (10CFR50.55(E).
(DISTRIBUTION CODE B004)

FOR ACTION: ASST DIR VASSALLO**LTR ONLY
PROJ MGR PIKE**LTR ONLY

BR CHIEF PARR**LTR ONLY
LIC ASST RUSHBROOK**LTR ONLY

INTERNAL: REG FILE**W/ENCL
I & E**W/2 ENCL
GOSSICK & STAFF**LTR ONLY
BOYD**LTR ONLY
HELTEMES**W/ENCL
KNIGHT**LTR ONLY
TEDESCO**LTR ONLY
STANDARDS DEV. **W/ENCL

NRC PDR**W/ENCL
OELD**LTR ONLY
MIPC**W/ENCL
DEYOUNG**W/ENCL
R. MATTSON**LTR ONLY
ROSS**LTR ONLY
EISENHUT**LTR ONLY
K SEYFRIT/IE**W/ENCL

EXTERNAL: LPDR/S
SCOTTSBORO, AL**W/ENCL
TIC**W/ENCL
NSIC**W/ENCL
FERD DREHER/IE**LTR ONLY
ACRS CAT B**W/16 ENCL

DISTRIBUTION: LTR 41 ENCL 28
SIZE: 1P+1P

CONTROL NBR: 781090006

***** THE END *****

*mail
lt*

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
830 Power Building

REGULATORY DOCKET FILE COPY

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US NRC
REGISTRATION SERVICES
BRANCH

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REGISTRATION SERVICES UNIT

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 1217
230 Peachtree Street, NW.
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTIE NUCLEAR PLANT UNITS 1 AND 2 - PROCUREMENT SPECIFICATION
DEFICIENT FOR DIAPHRAGM VALVES - NCR 1002

On March 13, 1978, Bruce Cochran, NRC-OIE Region II, was informed that the subject nonconformance was determined to be reportable in accordance with 10 CFR 50.55(e). Enclosed is the first interim report concerning this deficiency. We expect to submit our next report by July 17, 1978.

Very truly yours,

J. E. Gilleland
Assistant Manager of Power

Enclosure

cc: Dr. Ernst Volgenau, Director (Enclosure) ✓
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
NCR 1002
INTERIM REPORT
PROCUREMENT SPECIFICATION DEFICIENT FOR
DIAPHRAGM VALVES

Description of Deficiency

Diaphragm valves have been procured which may not operate against their system design and/or maximum operating pressures. The valves involved are used for safety-related applications in the makeup, chemical addition, and waste disposal systems.

The deficiency was due to an error in B&W's general procurement specification requirement. The specification required that all valves used in the systems must operate against a pressure drop across the valve equivalent to the system design pressure.

This is the most conservative case for all valves with the exception of the diaphragm valve. The most conservative case for the diaphragm valve is to operate with the system design pressure on each side of the valve, i.e., no pressure drop. All valves, including the diaphragm valves, were procured to the design pressure drop criteria. Thus the subject diaphragm valves may not be able to perform their design function under all conditions they may experience.

Corrective Action

TVA and B&W are participating in a testing program to determine that the diaphragm valves are able to operate against maximum system operating pressures. Upon the completion of the tests, final corrective action will be taken to correct the deficiency.