

100-282-001
TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

50-438
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December 2, 1980

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 UNIT 1 - EXCESSIVE VIBRATIONS OF ERCW PUMP/MOTOR -
NCR 1249 - SECOND INTERIM REPORT

The subject nonconformance was initially reported to NRC-OIE Inspector F. S. Cantrell on August 19, 1980, in accordance with 10 CFR 50.55(e). This was followed by our first interim report dated September 17, 1980. Enclosed is our second interim report. We expect to submit our next written report by February 4, 1981. We consider 10 CFR Part 21 to be applicable to this nonconformance.

If you have any questions concerning this matter, please get in touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

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

BELLEFONTE NUCLEAR PLANT UNIT 1
EXCESSIVE VIBRATIONS OF ERCW PUMP/MOTOR
NCR 1249
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

There is excessive vibration in the essential raw cooling water (ERCW) pump/motor assembly while running. This vibration is apparently caused by the natural frequency of the pumps being so near the same as the running speed of the pump and motor.

Interim Progress

Meetings have been held between TVA and Weir Pump Limited (pump/motor vendor) to discuss the pump vibration problem. TVA is evaluating the two suggested methods of solution: (1) addition of weight to motor and (2) addition of braces to motor.

Tennessee Valley Authority

PART 21 IDENTIFICATION NO. 80-282-001

COMPANY NAME

DATE OF LETTER 12/2/80

DOCKET NO. 80-438

DATE DISTRIBUTED 12/9/80 p.m.

ORIGINAL REPORT

SUPPLEMENTARY

DISTRIBUTION:

REACTOR (R)

FUEL CYCLE &

SAFEGUARDS (S)

~~IE FILES~~

MATERIALS (M)

IE FILES

EES

IE FILES

AD/SG

AD/FFMSI

AD/ROI

REGIONS I, II, III, IV, V

REGIONS I, II, III, IV, V

REGIONS I, II, III, IV, V

VENDOR BR. R-IV

VENDOR BR. R-IV

VENDOR BR. R-IV

LOEB / MPA MNB 5715

NMSS / FCMS SS-396

NRR/DOL

AEOD MNB 7602

LOEB / MPA MNB 5715

NMSS / SG SS-881

NRR/DOE

AEOD MNB 7602

LOEB / MPA MNB 5715

NRR/DSI

ASLBP E/W 450

AEOD MNB 7602

NRR/DST

SAP/SP MNB-7210A

ASLBP E/W 450

NRR/DOL

ASLBP E/W 450

CENTRAL FILES 016

CENTRAL FILES 016

CENTRAL FILES (CHRON)

CENTRAL FILES (CHRON)

PDR

CENTRAL FILES SS-396

LPDR

PDR

TERA

LPDR

TERA

CENTRAL FILES 016
CENTRAL FILES (CHRON)
PDR
LPDR
TERA

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE

NRR

NMSS

OTHER

EES

8012160

703

REV. 8/1/80
9/17/80
12/2/80