

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

November 25, 1980

50-438/439

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

MA/1

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - LINK ROD ASSEMBLY - DELAVEL
DIESELS - NCR DELAVEL NO. 4 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. W. Wright on October 27, 1980, in accordance with 10 CFR 50.55(e).
Enclosed is our final report. We consider 10 CFR Part 21 to be applic-
able to this deficiency. This deficiency was also reported for Hartsville
and Phipps Bend Nuclear Plants.

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 UNITS 1 AND 2
LINK ROD ASSEMBLY - DELAVEL DIESELS
NCR DELAVEL NO. 4
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

Transamerica Delavel (TDC) informed TVA of a potential problem in TDC-supplied diesel generators at the Bellefonte, Hartsville, and Phipps Bend Nuclear Plants. This was reported to NRC-OIE under 10 CFR 21 by letter dated September 19, 1980, from D. H. Martini (of TDC) to Victor Stello of the NRC. The problem is that the dowel counterbore of the link rod assembly may be too shallow. This condition, if it exists, could result in the failure of that assembly and ultimately in the unavailability of the diesel generators.

Safety Implications

The diesel generators constitute the preferred source of electrical power for essential safety features in the event of offsite power loss. The diesel generators must be maintained at high levels of confidence in order to ensure operation of essential safety features. If the potential deficiency had gone undetected and resulted in a failure of the diesel generators, this source of emergency power might have been eliminated.

Corrective Action

TDC has described the inspection method required to determine whether this defect is present. The components of the diesels supplied to Bellefonte are in position. Documentation which completely describes the potential defect has been written and tags have been attached to the diesels. These tags indicate that the link rod assemblies must be inspected according to instructions supplied by TDC. If the defect is detected, the documentation requires correction of the deficiency before release. Also, the inspection has been entered into the documented itinerary ("punchlist") to ensure that it has been done before the diesels are first started up.

TVA will complete the inspection and make any necessary repairs before startup of each diesel unit. This will be conducted according to the Martini letter of September 19, 1980.

PART 21 IDENTIFICATION NO.

80-285-002

COMPANY NAME

Tennessee Valley Authority

DATE OF LETTER 11/20/80

DOCKET NO. 50-438/43A

DATE DISTRIBUTED 12/2/80 p.m.

ORIGINAL REPORT

SUPPLEMENTARY

DISTRIBUTION:

REACTOR (R)

FUEL CYCLE &

SAFEGUARDS (S)

IE FILES

MATERIALS (M)

IE FILES

EES

IE FILES

AD/SG

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

CENTRAL FILES 016

CENTRAL FILES 016

ASLBP E/W 450

CENTRAL FILES (CHRON)

CENTRAL FILES (CHRON)

CENTRAL FILES 016

PDR

CENTRAL FILES SS-396

CENTRAL FILES (CHRON)

LPDR

PDR

~~PDR~~

TERA

LPDR

LPDR

TERA

TERA

ACTION:

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

IE

NRR

NMSS

OTHER

EES

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