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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

January 23, 1976



Mr. Benard C. Rusche
Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Rusche:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNITS 1 AND 2 -
DOCKET NOS. 50-259 AND 50-260 - FACILITY OPERATING LICENSE DPR-33 AND
DPR-52 - ABNORMAL OCCURRENCE REPORTS BFAO-50-259/761W AND BFAO-50-260/762W

The enclosed report is to provide details concerning diesel generator D
which failed the monthly surveillance test and is submitted in accordance
with Appendix A to Regulatory Guide 1.16, Revision 1, October 1973.
This event occurred on Browns Ferry Nuclear Plant units 1 and 2.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


E. F. MOSELEY

Director of Power Production

Enclosure

CC (Enclosure):

Mr. Norman C. Moseley, Director
U.S. Nuclear Regulatory Commission
Regional Office
230 Peachtree Street, NW., Suite 818
Atlanta, Georgia 30303

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ABNORMAL OCCURRENCE REPORT

Report Number: BFAO-50-259/761W and BFAO-50-260/762W
Report Date: January 23, 1976
Occurrence Date: January 14, 1976
Facility: Browns Ferry Nuclear Plant units 1 and 2

Identification of Occurrence

Diesel generator D failed the monthly surveillance test.

Conditions Prior to Occurrence

The fuel for units 1 and 2 was removed from the reactor vessel and stored in the spent fuel pool. The diesel/generators are required for the emergency cooling water pumps and the fuel pool cooling pumps.

Description of Occurrence

At approximately 1700 hours on January 14, 1976, diesel generator D failed to meet the requirements of the monthly surveillance test.

Designation of Apparent Cause of Occurrence

The hydraulic actuator of the diesel governor did not respond properly to the signals from the electrical governor.

Analysis of Occurrence

There was no damage to the plant equipment or structures nor were there any plant personnel injuries or consequences adverse to the health and safety of the public as a result of this occurrence. Equipment requiring backup auxiliary power was supplied by a redundant diesel-generator.

Corrective Action

Diesel generator B was placed in service and tied to 4-kV shutdown board C to supply power to the RHRSW pump on the south emergency equipment cooling water header. Oil was added to the hydraulic actuator and then adjusted; stability was immediately improved. The diesel then successfully passed the monthly surveillance test. The oil inventory in the hydraulic actuators of the other two diesel generators was checked and found to be satisfactory. The oil in the actuator of all the diesel generators will be checked periodically for proper inventory.

Failure Data

There were no associated equipment failures resulting from this occurrence. The diesel governor is manufactured by Woodward Governor Company.