TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

October 5, 1981

WBRD-50-390/81-76
WBRD-50-391/81-72

RECEIVED
OCT 13 1981
U.S. NUCLEAR REGULATORY COMMISSION

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:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - DEFECTIVE DROOP LEVER SPRING ON DIESEL GENERATOR GOVERNORS - WBRD-50-390/81-76, WBRD-50-391/81-72 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on September 8, 1981, in accordance with 10 CFR 50.55(e) as NCR WBN MEB 8106. Enclosed is our final report. We consider 10 CFR 21 applicable to this deficiency.

If you have any questions concerning this matter, please get in touch with M. R. Wisenburg at FTS 857-2778.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure
cc: Mr. Victor Stello, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

IE27
S 1/1

8110140391 811005
PDR ADOCK 05000390
S PDR

ENCLOSURE
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
DEFECTIVE DROOP LEVER SPRING ON DIESEL GENERATOR GOVERNORS
10 CFR 50.55(e)
WBRD-50-390/81-76, 50-391/81-72
FINAL REPORT

Description of Deficiency

The diesel generator vendor, Power Systems, Rocky Mount, North Carolina, has identified a potential defect in the governors (supplied by Woodward Governor) for the fifth standby diesel generator. The possibility exists that the droop lever springs for the governors (serial numbers 1723789 and 1723791) were not properly stress relieved and thereby subject to failure.

Safety Implications

This fifth diesel generator is to be used as a replacement should any of the four existing diesel generators be required to be out of service during plant operation.

Failure of the droop lever springs could cause a loss of engine speed control and thus affect the diesel generator's ability to perform its safety function. Thus, if the fifth diesel generator was being utilized in place of an out of service diesel generator, failure of the governor droop lever springs coincident with a loss of offsite power could affect the safe operation of the plant.

Corrective Action

Power Systems will supply TVA with the necessary replacement springs and instructions to replace these defective springs. TVA will replace these springs before preop testing of the fifth diesel generator.