

TENNESSEE VALLEY AUTHORITY SHRO REGION

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 21, 1981

SEP 23 4 5: 31

WBRD-50-390/81-68

WBRD-50-391/81-64



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 - CHECK VALVE ON DIESEL GENERATOR
STARTING AIR - WBRD-50-390/81-68, WBRD-50-391/81-64 - FIRST INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on August 20, 1981 in accordance with 10 CFR 50.55(e)
as NCR W-50-P. Enclosed is our first interim report. We expect to submit
our next report by December 29, 1981. We consider 10 CFR Part 21
applicable to this deficiency.

If you have any questions, 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, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
CHECK VALVE ON DIESEL GENERATOR STARTING AIR
WBRD-50-390/81-68, WBRD-50-391/81-64
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

This deficiency concerns 3/4-inch Check-all style "CON" check valves located at the intake of each air receiver tank and on the crossover line between tanks in the Diesel Generator Starting Air System. These valves, which were supplied by the diesel generator vendor (Power Systems, Morrison-Knudson Division, Rocky Mount, North Carolina), failed in service. The disc stem pulled through at its point of attachment to the retainer piece due to the cycling action of the valve. The cause of this deficiency appears to be an incorrect valve selection for the intended service.

Interim Progress

TVA is presently working with the diesel generator vendor to evaluate these valve failures and to determine appropriate corrective action.