

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

**MAR 29 1989**

WBRD-50-390/86-64  
WBRD-50-391/87-23

10 CFR 50.55(e)

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

In the Matter of the Application of )  
Tennessee Valley Authority )

Docket Nos. 50-390  
50-391

WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 AND 2 - FAILED MOTOR PINION KEYS AND  
MOTOR SHAFT IN LIMITORQUE OPERATOR - WBRD-50-390/86-64 AND WBRD-50-391/87-23 -  
SECOND EXTENSION OF REPORT SCHEDULE

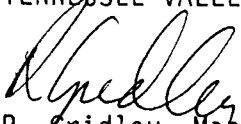
The subject deficiency was initially reported to NRC Region II Inspector Morris Branch on October 9, 1986, in accordance with 10 CFR 50.55(e) as Nonconforming Report (NCR) W-477-P for unit 1. The NCR was subsequently superseded by Condition Adverse to Quality Report (CAQR) WBP 870995, and CAQR WBP 870996 was initiated to document the deficiency for unit 2. Interim reports were submitted on November 12, 1986, March 16, 1987, November 2, 1987, and September 23, 1988. An extension of report schedule was also submitted on April 29, 1988.

Since our last interim report, additional actuator testing has been conducted at the Limitorque facility. This testing failed to reproduce the reported condition, even though the actuator loading on the hydraulic test stand approximated that encountered at Watts Bar. Limitorque then performed a locked rotor test on an actuator motor. This test resulted in keyway deformations similar to that reported, but yielded no definitive conclusions as to root cause since locked motor testing is more severe than actual actuator operating conditions. We expect to submit our next report on or about November 15, 1989. We consider 10 CFR Part 21 applicable to this deficiency. The enclosure contains the commitment stated in this submittal.

If there are any questions, please telephone G. R. Ashley at (615) 365-8527.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

  
R. Gridley, Manager  
Nuclear Licensing and  
Regulatory Affairs

Enclosure  
cc: See page 2

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U.S. Nuclear Regulatory Commission

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cc (Enclosure):

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U.S. Nuclear Regulatory Commission  
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Ms. L. J. Watson, Acting Assistant Director  
for Inspection Programs  
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Atlanta, Georgia 30323

Record Center  
Institute of Nuclear Power Operations  
1100 Circle 75 Parkway, Suite 1500  
Atlanta, Georgia 30339

U.S. Nuclear Regulatory Commission  
Watts Bar Resident Inspector  
P.O. Box 700  
Spring City, Tennessee 37381

ENCLOSURE

LIST OF COMMITMENTS

TVA's next report will be provided on or about November 15, 1989.