

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

February 2, 1982
FEB 4 11:29

WBRD-50-390/82-13
WBRD-50-391/82-13

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - CVCS MONITOR TANK PUMP DISCHARGE
LINE NOT SEISMICALLY QUALIFIED - WBRD-50-390/82-13, WBRD-50-391/82-13 -
FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on December 30, 1981 in accordance with 10 CFR 50.55(e)
as NCR WBN SWP 8162. Enclosed is our final report.

If you have any questions, please get in touch with R. H. Shell at
FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Richard C. DeYoung, 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
CVCS MONITOR TANK PUMP DISCHARGE LINE NOT SEISMICALLY QUALIFIED
WBRD-50-390/82-13, WBRD-50-391/82-13
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

A 2" CVCS monitor tank pump discharge line is not supported seismically to maintain its pressure boundary as is required in an area of the plant containing safety-related equipment. This deficiency was the result of a design error.

Safety Implications

Inadvertent water spray from a pipe that failed to maintain its pressure boundary within essential equipment areas could adversely affect the safe operation of the plant.

Corrective Action

Support design drawings associated with the discharge line will be revised and field modifications implemented so that this pipe will maintain its pressure boundary during a seismic event. This work will be completed before unit 1 fuel loading. This design error was discovered during a routine squad check of these design drawings (reference Engineering Procedure 4.04). TVA believes that the squad checks provide adequate assurance that this type of design error is identified. Therefore, corrective action to prevent recurrence is not necessary.