

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

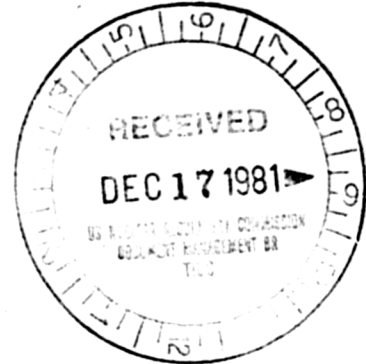
USNRC REGION II
ATLANTA, GEORGIA

December 10, 1981

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WBRD-50-390/81-98
WBRD-50-391/81-92

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:

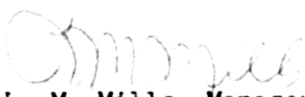
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - DEFICIENT CONTAINMENT ISOLATION
VALVE SIGNAL AND FUNCTION - WBRD-50-390/81-98, WBRD-50-391/81-92 - FIRST
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
D. Quick on November 9, 1981 in accordance with 10 CFR 50.55(e)
as NCR WBN NEB 8121. Enclosed is our first interim report. We expect
to submit our next report by March 18, 1982.

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
DEFICIENT CONTAINMENT ISOLATION VALVE SIGNAL AND FUNCTION
WBRD-50-390/81-98, WBRD-50-391/81-92
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Control valves FCV-62-76 and FCV-77-20 were identified on the subject NCR as containment isolation valves that do not receive a containment isolation signal (CIS), as required by WB-DC-40-34. Investigations have disclosed that valve FCV-77-20 does receive a CIS; and therefore no further action is required. Valve FCV-62-76 presently does not receive a CIS. Valve FCV-62-76 was added (reference ECN 1585) to the CVCS system to prevent thermal shock to the associated class A piping. During TVA's review of the design change, its secondary function to serve as a containment isolation valve was not discovered. However, the review was limited since EN DES EP-4.04, "Handling of Squad Checks," was not followed; thus, the design drawings did not get an adequate review.

Corrective Action

TVA will issue ECN 3249 to add a Phase A CIS to the valve control circuit. This signal will automatically close FCV-62-76 and will be in accordance with WB-DC-40-34. This change will be implemented before unit fuel loading. TVA is still investigating corrective actions to prevent recurrence of that type of nonconformance.