

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

February 25, 1983

WBRD-50-390/82-28
WBRD-50-391/82-25

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:

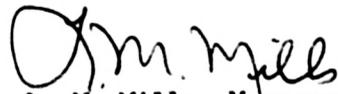
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - CONTAINMENT SPRAY MINIFLOW VALVE
DESIGN ERROR - WBRD-50-390/82-28, WBRD-50-391/82-25 - FIFTH INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector D. Quick on March 5, 1982 in accordance with 10 CFR 50.55(e) as NCR WBN NEB 8205. Interim reports were submitted on April 2, July 2, September 8, and December 1, 1982. Enclosed is our fifth interim report. We expect to submit our next report on or about July 1, 1983. TVA has determined that 10 CFR Part 21 is applicable to this deficiency.

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 Licensing

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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ENCLOSURE
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
CONTAINMENT SPRAY MINIFLOW VALVE DESIGN ERROR
NCR WBN NEB 8205
WBRD-50-390/82-28, WBRD-50-391/82-25
10 CFR 50.55(e)
FIFTH INTERIM REPORT

Description of Deficiency

The containment spray (CS) miniflow is supposed to be terminated when the total CS pump flow is greater than 2000 gpm. This logic is called for in the Westinghouse Electric Corporation (Pittsburgh, Pennsylvania) system description WAT/WBT-906/4, section 7.3.1. Contrary to this, the Watts Bar Nuclear Plant (WBN) CS electrical logic diagram (47W611-72-1) does not provide for closure of the miniflow control valves (FCV 72-13 and -34) under the specified flow condition.

The root cause of this nonconformance may be attributed to inconsistent information between the system description provided by Westinghouse and the elementary wiring diagram which implemented the system description.

Interim Progress

Implementation of ECN 3420 is continuing. Westinghouse has revised the elementary wiring diagram to conform to the system description. The coordination between Westinghouse and TVA is continuing to bring all affected documents into agreement.

TVA will provide further input upon resolution of the design document inconsistencies and closure of ECN 3420 in our next report.