TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

NRC REGION II
ATLANTA, GEORGIA
82 JUL 6 A9:17

July 2, 1982

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 - SECOND 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. Our first interim report was submitted on April 2, 1982. Enclosed is our second interim report. We expect to submit our next report on or about September 8, 1982. We are still investigating the applicability of 10 CFR Part 21 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

D S Kammer

for 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, DC 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)
SECOND 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 system description WAT/WBT-906/4, section 7.3.1. Contrary to this, the WBN CS electrical logic diagram (47W611-72-1) does not provide for closure of the miniflow flow control valves (FCV 72-13 and -34) under the specified flow condition.

Interim Progress

TVA has initiated EDN 3420 which will provide for closure of the CS miniflow line. TVA is still investigating whether this is a TVA or Westinghouse design deficiency.