TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

October 28, 1982

WBRD-50-390/82-103
WBRD-50-391/82-97

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 - VENTING OF HIGH POINTS IN ERCW SYSTEM - WBRD-50-390/82-103, WBRD-50-391/82-97 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector C. Burger on September 30, 1982 in accordance with 10 CFR 50.55(e) as NCR WBN MEB 8202. Enclosed is our first interim report. We expect to submit our next report on or about March 1, 1983.

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
VENTING OF HIGH POINTS IN ERCW SYSTEM
NCR WBN MEB 8202
WBRD-50-390/82-103, WBRD-50-391/82-97
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Air vents are provided at high points of piping systems to purge air trapped during initial filling, operation, or following maintenance functions. Manual vents are generally acceptable; however, TVA has determined that air may come out of solution due to heating in several safety-related coolers supplied with essential raw cooling water under accident conditions. Since access is restricted under such conditions, the manual vents would be unsuitable for these applications.

No analysis has been performed to identify the points in the system, if any, where automatic venting will be required. The cause of this deficiency is incomplete consideration of all design bases during the production of design criteria.

Interim Progress

TVA is in the process of scheduling the reanalysis of the piping systems. This will identify if there are any points in the ERCW piping system which require automatic venting.