



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

FEB 17 1998

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of) Docket No. 50-390
Tennessee Valley Authority)

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1 - GENERIC LETTER 88-20,
SUPPLEMENTS 4 and 5 - INDIVIDUAL PLANT EXAMINATION OF EXTERNAL
EVENTS (IPEEE) FOR SEVERE ACCIDENT VULNERABILITIES (TAC NO. M83693)

The purpose of this letter is to provide the results of the IPEEE
for WBN as committed in TVA's letters January 20, 1994 and
March 13, 1997.

The Enclosure provides the IPEEE Final Report. Attachments to the
Enclosure provide the supporting documentation for the final report.
Evaluations that were performed included a seismic margin assessment
(SMA) for the seismic events, a Fire Induced Vulnerabilities
Evaluation (FIVE) for the internal fires, and other external events
outlined in NUREG-1407, "Procedural and Submittal Guidance for the
Individual Plant Examination of External Events (IPEEE) for Severe
Accident Vulnerabilities." The methodologies to perform those
evaluations satisfied the NRC guidelines for performing the IPEEE.

A thorough investigation was performed for the IPEEE, consisting of
system reviews, design basis reviews, walkdowns, and calculations.
The reviews resulted in some maintenance and housekeeping activities
and a recommendation to modify an Auxiliary Building tornado missile
concrete canopy to provide additional protection. This
recommendation was documented on a problem evaluation report and the
modification has since been completed. No other vulnerabilities
were found for any of the external events considered in this

9802260002 980217
PDR ADOCK 05000390
P PDR



U.S. Nuclear Regulatory Commission
Page 2
FEB 17 1998

program. Therefore, no issues were found that would require mitigation through severe accident guidelines.

No commitments are identified in this letter. If you should have any questions, please contact P. L. Pace at (423) 365-1824.

Sincerely,



P. L. Pace
Site Licensing Manager

Enclosure

Subscribed and sworn to before

me on this 17th day of February 1998

E. Jeannette Long
Notary Public

My Commission Expires June 27, 2001

cc (Enclosure):

NRC Resident Inspector
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, Tennessee 37381

Mr. Robert E. Martin, Senior Project Manager
U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, Maryland 20852

U.S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, Georgia 30303