



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

November 1, 2010

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Watts Bar Nuclear Plant, Unit 2
Docket No. 50-391


Subject: **Watts Bar Nuclear Plant (WBN) Unit 2 - Severe Accident Management Alternatives Using Latest Computer Aided Fault Tree Analysis Model - Additional Information (TAC MD8203)**

Reference: 1. TVA letter dated October 14, 2010, "Watts Bar Nuclear Plant (WBN) Unit 2 - Severe Accident Management Alternatives Using Latest Computer Aided Fault Tree Analysis Model (TAC MD8203)" (ML102870253)

The purpose of this letter is to provide revised information concerning the Severe Accident Management Alternatives (SAMA) analysis report for WBN Unit 2. By letter dated October 14, 2010 (Reference), TVA provided the WBN Unit 2 SAMA report using the new Computer Aided Fault Tree Analysis (CAFTA) based model to evaluate Unit 2 severe accidents. The report attached to the October 14, 2010 letter contained information that was not intended to be submitted to the NRC. TVA requests that its October 14, 2010 letter be withdrawn and replaced with the information contained in this letter. Enclosure 1 of this letter provides a revised WBN Unit 2 SAMA report using the new CAFTA model. Enclosure 1 contains security-related information, and TVA requests this information be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390.

If you have any questions, please contact me at (423) 365-2351.

Sincerely,


Masoud Bajestani
Watts Bar Unit 2 Vice President

Enclosure 1: Watts Bar Unit 2 Severe Accident Mitigation Alternatives Report dated October 4, 2010

D030
NRC

U.S. Nuclear Regulatory Commission
Page 2
November 1, 2010

Enclosure

cc: U. S. Nuclear Regulatory Commission
Region II
Marquis One Tower
245 Peachtree Center Ave., N.E., Suite 1200
Atlanta, Georgia 30303-1257

NRC Resident Inspector Unit 2
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, Tennessee 37381

Withhold from Public Disclosure Under 10 CFR 2.390

Enclosure 1

Watts Bar Unit 2 Severe Accident Mitigation Alternatives

Dated October 4, 2010