

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

May 1, 1984

Director of Nuclear Reactor Regulation  
Attention: Ms. E. Adensam, Chief  
Licensing Branch No. 4  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Ms. Adensam:

In the Matter of the Application of ) Docket Nos. 50-390  
Tennessee Valley Authority ) 50-391

Enclosed herewith are 60 copies of Watts Bar Nuclear Plant Final Safety Analysis Report (FSAR) Amendment 50. This amendment affects chapters 1 and 2. Also enclosed is a brief description of FSAR material which has undergone revision and warrants additional NRC attention.

An instruction sheet is included with this information for incorporating the revised material into the FSAR.

If you have any questions concerning this matter, please get in touch with D. P. Ormsby at FTS 858-2682.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*L. M. Mills*  
L. M. Mills, Manager  
Nuclear Licensing

Sworn to and subscribed before me  
this 1st day of May 1984

*Beulah W. White*  
Notary Public  
My Commission Expires 9-5-84

Enclosures (60)

cc: U.S. Nuclear Regulatory Commission (Enclosure)  
Region II  
Attn: Mr. James P. O'Reilly, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30303

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ENCLOSURE

1. Section 2.1 has been revised to indicate the reduction in the exclusion boundary from 1200 to 1100 meters.
2. As a result of TVA's review of hydrologic conditions, the following FSAR sections have been revised: 2.4.2.3, 2.4.3.4, 2.4.4.3, 2.4.13.2, 2.4.13.5, 2.4.14.9.6, 2.4.14.10, 2.5.1.1.6, and Table 2.4-4.
3. Section 2.4.11.1 and 2.4.14.2.2 have been revised to reflect ERCW and HPFP flows.
4. Section 2.5 has undergone a substantial revision to consolidate information on the subject of liquefaction. This consists of information previously docketed in response to NRC concerns and incorporates responses to NRC questions and other information previously reviewed by the NRC.
5. Additional revisions were made to:
  - Section 2.5.1.1.6 to delete reference to mines and quarries.
  - Section 2.3 to reflect existing meteorological instrumentation.
  - Table 2.2-1 to update population estimates to 1980.

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