

October 7, 1988

Docket Nos. 50-259/260/296

Mr. S. A. White
Senior Vice President, Nuclear Power
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. White:

SUBJECT: NRC PROBABILISTIC RISK ASSESSMENT AUDIT FOR BROWNS FERRY (TAC 63178)

The NRC will perform an audit of the Browns Ferry Probabilistic Risk Assessment (PRA) during the period of November 1 and 2, 1988 at Knoxville. The objective and scope of this audit are identified in the enclosure. An exit meeting with you or members of your staff will be conducted on November 2, 1988 at 3:00 p.m. (Building W10 B86).

If you have any questions regarding this activity, please contact the NRC Project Manager, G. Gears at (301) 492-0767.

Sincerely,

Original Signed by

Suzanne Black, Assistant Director
for Projects
TVA Projects Division
Office of Special Projects

Enclosure:
PRA Audit Scope

cc w/enclosure:
See next page

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ENCLOSURE

PRA AUDIT
BROWNS FERRY

Audit Topic: Browns Ferry Probabilistic Risk Assessment

Date: November 1 and 2, 1988

NRC Audit Members: Erulappa Chelliah
Gerald E. Gears (Project Manager)

Objective: To obtain additional, detailed information to assist NRC in writing its Safety Evaluation.

- Audit Scope:
1. Review of the bases for the dominant sequences identified in Reference 1, Table 6-1. Why is Dominant Sequence State 3 now important?
 2. Review and examination of the changes to the fault tree model for each of the major top events. (A sampling of approximately three systems will be covered).
 3. For the fault tree models identified in Item 2, examination of how impacts due to changes in the plant configuration (hardware and procedural) were evaluated. (Refer to Reference 1, Section 3.)
 4. Determination on how containment venting has been considered in Dominant Sequences 2, 4, 5, and 10 in Reference 1, Table 6-2. Determination of whether the venting approach from the BWR Owners Group had been incorporated into Browns Ferry Emergency Operating Procedures or into the PRA.
 5. Review and examination of the Anticipated Transient Without Scram (ATWS) hardware and procedural changes. (Refer to Reference 2, Table 3, Items 1 and 2, and Reference 1, Table 4-1.)

- References:
1. Letter dated August 25, 1988 from TVA to NRC, transmitting the Browns Ferry PRA Summary Report.
 2. Letter dated October 1, 1987 from NRC to TVA, transmitting NRC staff comments on the January 1986 version of the Browns Ferry PRA.

Mr. S. A. White

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Browns Ferry Nuclear Plant

cc:

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