

June 21, 2004

Mr. Karl W. Singer
Chief Nuclear Officer and
Executive Vice President
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNIT 1— REQUEST FOR ADDITIONAL
INFORMATION RELATED TO GENERIC LETTER 88-20, "INDIVIDUAL PLANT
EXAMINATION FOR SEVERE ACCIDENT VULNERABILITY" (TAC NO. MC1895)

Dear Mr. Singer:

As a follow-up to the February 27, 2004, meeting between the U.S. Nuclear Regulatory Commission (NRC) staff and the Tennessee Valley Authority representatives, the NRC staff committed to providing you a letter identifying the specific information needed for the closeout of Generic Letter 88-20 for Browns Ferry Unit 1. This information is included in the enclosure to this letter.

The NRC staff finds that a response to the enclosed request for additional information is needed before we can complete the review. This request was discussed with Mr. T. Abney of your staff on June 2, 2004, and it was agreed that a response, under oath and affirmation, would be provided within 60 days of receipt of this letter. If you have any questions, please contact me at (301) 415-1496.

Sincerely,

/RA/

Kahtan N. Jabbour, Senior Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-259

Enclosure: Request for Additional Information

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION

RELATED TO GENERIC LETTER 88-20

TENNESSEE VALLEY AUTHORITY

BROWN FERRY NUCLEAR PLANT, UNIT 1

DOCKET NO. 50-259

1. Please discuss in detail how the individual plant examination (IPE)/probabilistic risk assessment (PRA) performed for Brown Ferry Plant (BFN), Unit 1, will properly reflect the unit's anticipated configuration at commercial operation. Please provide the version designation or date of the current Unit 1 IPE/PRA, the total estimated core damage frequency, and the large early release frequency.
2. Based on the results of the Unit 1 IPE/PRA, please discuss the specific vulnerabilities to severe accidents which are identified, if any, for BFN Unit 1. Also, please identify and discuss the proposed plant improvements, such as design changes and changes to operating procedures, maintenance, surveillance, training or staffing, resulting from the IPE/PRA.
3. Please discuss any methods and processes used in BFN Unit 1 IPE/PRA but not used in the BFN Units 2 and 3 IPE/PRA, that would potentially affect the results (e.g., mask a vulnerability).
4. Please list and discuss the weaknesses and deficiencies identified by the staff in the staff evaluation reports and the Nuclear Regulatory Commission contractor's Technical Evaluation Report for the BFN Units 2 and 3 IPE/PRA dated September 28, 1994, and May 4, 1999, respectively. In addition please identify all Units 2 and 3 peer review "facts and observations" that were judged by the peer review team to be necessary to address (Significance level A and B in NEI 00-02, Industry PRA Review Guidance).

Please describe how the weakness, deficiencies, and significant peer review observations have been resolved in the current Unit 1 IPE/PRA.

Mr. Karl W. Singer
Tennessee Valley Authority

BROWNS FERRY NUCLEAR PLANT

cc:

Mr. Ashok S. Bhatnagar, Senior Vice President
Nuclear Operations
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. Robert G. Jones
Browns Ferry Unit 1 Plant Restart Manager
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Decatur, AL 35609

Mr. James E. Maddox, Vice President
Engineering & Technical Services
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. Mark J. Burzynski, Manager
Nuclear Licensing
Tennessee Valley Authority
4X Blue Ridge
1101 Market Street
Chattanooga, TN 37402-2801

Site Vice President
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Decatur, AL 35609

Mr. Timothy E. Abney, Manager
Licensing and Industry Affairs
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Decatur, AL 35609

General Counsel
Tennessee Valley Authority
ET 11A
400 West Summit Hill Drive
Knoxville, TN 37902

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Browns Ferry Nuclear Plant
10833 Shaw Road
Athens, AL 35611

Mr. T. J. Niessen, Acting General Manager
Nuclear Assurance
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

State Health Officer
Alabama Dept. of Public Health
RSA Tower - Administration
Suite 1552
P.O. Box 303017
Montgomery, AL 36130-3017

Mr. Michael D. Skaggs, Plant Manager
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Decatur, AL 35609

Chairman
Limestone County Commission
310 West Washington Street
Athens, AL 35611

Mr. Jon R. Rupert, Vice President
Browns Ferry Unit 1 Restart
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Decatur, AL 35609