

June 15, 2005

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 REGARDING RESTART TESTING PROGRAM
(TAC NO. MC7208)

Dear Mr. Singer:

By letter dated December 13, 2002, as supplemented by letter dated February 28, 2003, Tennessee Valley Authority (TVA), the licensee, submitted a proposed regulatory framework for the restart of Browns Ferry Nuclear Plant (BFN), Unit 1. In the letter dated December 13, 2002, you state that the restart testing program for BFN, Unit 1 will be similar to the restart test program for BFN, Units 2 and 3. The purpose of this letter is to request more specific and detailed information from TVA on the restart test program that will be implemented at BFN, Unit 1.

Since its shutdown in 1985, the reactor has been defueled, systems have not operated and have generally been maintained in a layup condition. As part of the BFN, Unit 1 recovery, the modifications being implemented include replacing some large- and small-bore piping; installing cable trays, conduits, supports, and pipe hangers; refurbishing large pumps and motors; rewinding the turbine-generator; installing main bank transformers; and modifying the control room. Upon completion of the recovery, BFN, Unit 1 would include a combination of new and refurbished components; new and old piping and supports, and new and old cable trays and cables, etc. Thus, the response of this unit to anticipated operational occurrences may be different from its response when it was tested and started-up in late 1973 and early 1974.

It is our understanding that, as part of TVA's restart test program, you plan to perform postmodification, postmaintenance, and surveillance tests at the component level similar to what was performed for BFN, Unit 3. In order for the staff to independently verify the adequacy of your restart testing program, please describe in detail the modifications that were made and those still in progress or planned and how they were or will be verified to be within the bounds of the original test data. Also, provide a detailed listing and description of the testing that you referred to in your December 13, 2002 letter.

K. Singer

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This request was discussed with Bill Crouch of your staff on June 13, 2005, and it was agreed that a response would be provided within 60 days of the issuance of this letter. If you have any comments, please contact the Project Manager, Margaret Chernoff, at 301-415-4041.

Sincerely

/RA/

Edwin M. Hackett, Director
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-259

cc: See next page

K. Singer

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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. Larry S. Bryant, General Manager
Nuclear Engineering
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. Scott M. Shaeffer
Browns Ferry Unit 1 Project Engineer
Division of Reactor Projects, Branch 6
U.S. Nuclear Regulatory Commission
61 Forsyth Street, SW.
Suite 23T85
Atlanta, GA 30303-8931

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

Mr. Fredrick C. Mashburn
Senior Program Manager
Nuclear Licensing
Tennessee Valley Authority
4X Blue Ridge
1101 Market Street
Chattanooga, TN 37402-2801

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

Mr. William T. Crouch, Acting Manager
Licensing and Industry Affairs
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Decatur, AL 35609

Mr. John C. Fornicola, Manager
Nuclear Assurance and Licensing
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Browns Ferry Nuclear Plant
10833 Shaw Road
Athens, AL 35611-6970

Mr. Bruce Aukland, Plant Manager
Browns Ferry Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Decatur, AL 35609

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

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

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