



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

February 21, 2003

TVA-BFN-TS-420

10 CFR 50.90

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop: OWFN P1-35
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of) Docket No. 50-260
Tennessee Valley Authority)

**BROWNS FERRY NUCLEAR PLANT (BFN) - UNIT 2 - TECHNICAL
SPECIFICATIONS (TS) CHANGE 420 - SAFETY LIMIT MINIMUM CRITICAL
POWER RATIO (SLMCPR) - CYCLE 13 OPERATION - RESPONSE TO NRC
REQUEST FOR ADDITIONAL INFORMATION (RAI) (TAC NO. MB6811)**

This letter responds to an additional question asked by NRC staff on February 13, 2003, during a teleconference regarding BFN TS Change 420. On February 11, 2003, TVA responded to other two questions on TS-420 that were provided in a January 17, 2003, RAI request.

A response to the February 13, 2003, verbal RAI question (labeled as question number 3) is provided in Enclosures 1 and 2 in proprietary and non-proprietary format, respectively. Enclosure 1 includes material deemed proprietary by Global Nuclear Fuels (GNF) and GNF has requested that the proprietary information be withheld from public disclosure pursuant to 10 CFR 2.790. Accordingly, an application and affidavit, as required by 10 CFR 2.790(b)(1), is also contained in Enclosure 1.

TS-420 was submitted on October 25, 2002, and updates the numeric value of SLMCPR in TS 2.1.1.2 from 1.07 to 1.08 for two recirculation loop operation for Unit 2 Cycle 13 operation. The

PROPRIETARY INFORMATION
ENCLOSURE 1

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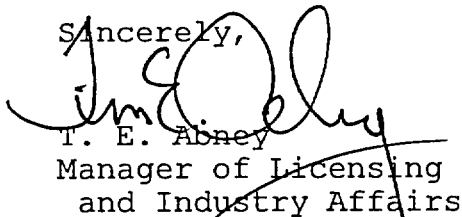
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updated SLMCPR was determined by GNF for TVA using the NRC-approved methods referenced in TS 5.6.5, Core Operating Limits Report. The Unit 2 Cycle 13 core loading design and bundle design was subsequently modified to increase the beginning of cycle shutdown margin, and updated supporting information and a revised core loading pattern was provided in a supplemental submittal to TS-420 dated December 20, 2002. Note that the December 16, 2002, Table 2 referred to in Enclosures 1 and 2 of this letter was provided in the December 20, 2002, supplement to TS-420. The SLMCPR value (1.08) proposed in TS-420 for Unit 2 Cycle 13 operation is not affected by this or the February 11, 2003, RAI response, or by the change in core loading pattern provided in the December 20, 2002 supplement to TS-420.

There are no regulatory commitments associated with this submittal. This letter is being sent in accordance with NRC Regulatory Issue Summary 2001-05, Guidance on Submitting Documents to the NRC by Electronic Information Exchange or on CD-ROM. If you have further questions about TS-420 or this response, please contact me at (256)729-2636.

I declare under penalty of perjury that the foregoing is true and correct. Executed on February 21, 2003.

Sincerely,



T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosures:

1. TVA Response to RAI and Affidavit (Proprietary)
2. TVA Response to RAI (Non-Proprietary)

cc (Enclosures):

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

TVA cc: See page 3

PROPRIETARY INFORMATION
ENCLOSURE 1