

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

January 29, 2007

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. 50-259 Tennessee Valley Authority)

BROWNS FERRY NUCLEAR PLANT (BFN) - UNIT 1 - SUPPLEMENTAL RELOAD LICENSING REPORT (SRLR) - CYCLE 7 - 105% POWER OPERATION

By letter dated September 22, 2006 (ADAMS Accession No. ML062680459), TVA submitted a supplement to the original June 28, 2004 (ML041840109) extended power uprate (EPU) license application for BFN Unit 1. The original EPU license application is for operation at 120% of original licensed thermal power (OLTP). The September 22, 2006, amendment supplement provides for interim Unit 1 operation at 105% of OLTP until such time as certain steam dryer analyses and other remaining licensing activities associated with EPU (120%) operation can be completed and approved by NRC.

In support of the September 22, 2006, supplement, TVA stated that a SRLR would be generated to reflect the interim (105%) power level as delineated in NEDE-24011-P-A, "General Electric Standard Application for Reactor Fuel." The Enclosure to this letter provides the SRLR for BFN Unit 1 Cycle 7 operation at 105% operation and presents the results of the cycle-specific core analyses, including the transient and accident analyses. This SRLR was prepared by Global Nuclear Fuel for TVA, and has been reviewed and

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accepted by TVA. An SRLR for EPU (120%) operation was previously submitted on May 15, 2006 (ML061450390).

There are no new regulatory commitments associated with this submittal. If you have any questions about this submittal, please contact me at (256) 729-2636.

Sincerely,

William D. Crouch

Manager of Licensing and Industry Affairs

Enclosure: 0000-0044-1520-SRLR, Revision 0, Supplemental

Reload Licensing Report for Browns Ferry 1,

Reload 6 Cycle 7, January 2007

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Enclosure

cc: (Enclosure)

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Enclosure

Browns Ferry Nuclear Plant (BFN)

Supplemental Reload Licensing Report for Browns Ferry 1 Reload 6 Cycle 7 January 2007

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