



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

April 15, 2013

10 CFR 50.4

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Browns Ferry Nuclear Plant, Unit 3  
Renewed Facility Operating License No. DPR-68  
NRC Docket No. 50-296

**Subject: Browns Ferry Nuclear Plant, Unit 3 Core Operating Limits Report for Cycle 16 Operation**

In accordance with the requirements of Technical Specification (TS) 5.6.5.d, Tennessee Valley Authority is submitting the Browns Ferry Nuclear Plant (BFN), Unit 3, Cycle 16, Core Operating Limits Report (COLR), Revision 2. Revision 0 of the BFN, Unit 3, Cycle 16, COLR was previously issued which contained the Shutdown Margin criteria in support of fuel loading for Cycle 16 (Mode 5 operation). Revision 1 to the BFN, Unit 3, Cycle 16, COLR included all modes of operation (Modes 1 through 5). The BFN, Unit 3, Cycle 16, COLR reference to the AREVA Loss of Coolant Accident methodology has been revised to reflect the changes made to TS 5.6.5.b as part of TS license Amendment Number 268. Additionally, the BFN, Unit 3, Cycle 16, COLR includes the oscillation power range monitor setpoint limits which were approved by Amendment Number 268.

There are no new commitments contained in this letter. If you have any questions please contact Ed Schrull at (423) 751-3850.

Respectfully,

J. W. Shea  
Vice President, Nuclear Licensing

Enclosure: Core Operating Limits Report, (105% OLTP), for Cycle 16 Operation  
TVA-COLR-BF3C16, Revision 2

cc: See Page 2

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NRR

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cc: (w/ Enclosure)

NRC Regional Administrator - Region II  
NRC Senior Resident Inspector - Browns Ferry Nuclear Plant

**Enclosure  
Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Unit 3**

**Core Operating Limits Report, (105% OLTP), for Cycle 16 Operation  
TVA-COLR-BF3C16, Revision 2**

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**(See Attached)**



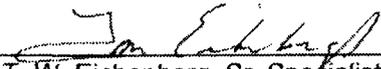
**Nuclear Fuel Engineering - BWRFE**  
1101 Market Street, Chattanooga, TN 37402

# **Browns Ferry Unit 3 Cycle 16**

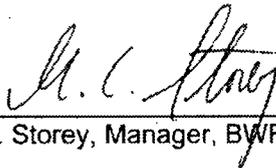
## **Core Operating Limits Report, (105% OLTP)**

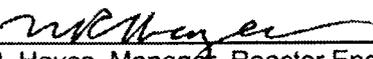
**TVA-COLR-BF3C16** Revision 2 (Final)  
(Revision Log, Page v)

**March 2013**

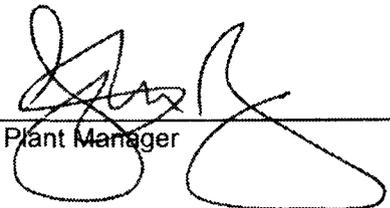
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Approved:  Date: 3/14/13  
Plant Manager