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April 11, 2016

Docket Nos.: 52-025  
52-026

ND-16-0549  
10 CFR 50.90  
10 CFR 52.98

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555-0001

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Units 3 and 4  
Supplement to Request for License Amendment:  
Core Reference Report Incorporation (LAR-16-001S1)

Ladies and Gentlemen:

Pursuant to 10 CFR 52.98(c) and in accordance with 10 CFR 50.90, by letter ND-16-0053, dated January 29, 2016 [ADAMS Accession Number ML16029A476], Southern Nuclear Operating Company (SNC) requested an amendment to the combined licenses (COLs) for Vogtle Electric Generating Plant (VEGP) Units 3 and 4 (License Numbers NPF-91 and NPF-92, respectively). The requested amendment proposed to depart from approved AP1000 Design Control Document (DCD) Tier 2 information (text, tables, and figures) and involved Tier 2\* information (as incorporated into the Updated Final Safety Analysis Report (UFSAR) as plant-specific DCD information), and also involved changes to the plant-specific Technical Specifications (PS-TS) and the associated PS-TS Bases document. The original request contained Enclosures 1, 2, 3, and 4. This submittal supplements the license amendment request necessary to implement these changes with information in Enclosure 5.

SNC has determined that Enclosure 2 of the original request included markups of PS-TS 3.2.1 which are missing an element,  $F_Q^W(Z)$ , of the proposed Required Actions in two places on page 7 of 17. The supplemental page provided as Enclosure 5 replaces the corresponding single page in the original Enclosure 2.

Enclosure 1 (including the Significant Hazards Consideration determination and environmental considerations for the proposed changes), Enclosure 3, and Enclosure 4 of the original request are not impacted by this supplemental information. SNC has also noted that the conforming TS Bases pages (provided for reference only) in Enclosure 3 of the original request inserted a reference which now makes the reference numbering inconsistent with the Writers Guide for the standard technical specifications format and content. SNC has noted the inconsistency and plans to renumber the references when the PS-TS Bases changes are implemented along with this amendment.

SNC requests NRC staff approval of the license amendment by July 1, 2016, to support future licensing actions that are dependent on the incorporation of the core reference report into the licensing basis. Thus, delayed approval of this license amendment could result in a delay of future licensing activities and associated dependent construction activities. SNC expects to implement this proposed amendment within the VEGP Units 3 and 4 TS and UFSAR within 90 days of approval of the requested changes.

This letter contains no regulatory commitments.

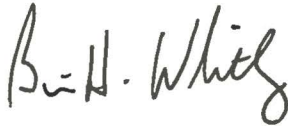
In accordance with 10 CFR 50.91, SNC is notifying the State of Georgia of this LAR by transmitting a copy of this letter and enclosures to the designated State Official.

Should you have any questions, please contact Mr. Jason P. Redd at (205) 992-6435.

Mr. B. H. Whitley states that he is the Regulatory Affairs Director of Southern Nuclear Operating Company, is authorized to execute this oath on behalf of Southern Nuclear Operating Company and to the best of his knowledge and belief, the facts set forth in this letter are true.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY



B. H. Whitley

BHW/ERG/ljs



Sworn to and subscribed before me this 8<sup>th</sup> day of April, 2016

Notary Public: Lisa Myrick Spears

My commission expires: June 18, 2019

Enclosures: 1) through 4) (previously submitted with the original LAR, LAR-16-001, in SNC letter ND-16-0053)

5) Vogtle Electric Generating Plant (VEGP) Units 3 and 4 – Supplement to Proposed Changes to Licensing Basis Documents (LAR-16-001S1)

cc:

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Mr. J. E. Hesler, Bechtel Power Corporation  
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**Southern Nuclear Operating Company**  
**Vogtle Electric Generating Plant (VEGP) Units 3 and 4**

**ND-16-0549**

**Enclosure 5**

**Supplement to Proposed Changes to Licensing Basis Documents**  
**(LAR-16-001S1)**

**The following page replaces the corresponding page in Enclosure 2 of the original  
License Amendment Request (LAR-16-001)**

**(This Enclosure consists of 2 pages, including this cover page.)**

Technical Specifications  $F_Q(Z)$  ( $F_Q$ -CAOC  $W(Z)$  Methodology) |

3.2.1

2.1.c →

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. -----</p> <p><b>- NOTE -</b> Required Action B.4 shall be completed whenever this Condition is entered.</p> <p>-----</p> <p><math>F_Q^W(Z)</math> not within limits.</p>	<p>B.1 Reduce <del>AFD limits</del> THERMAL POWER <math>\geq 1\%</math> for each <math>1\% F_Q^W(Z)</math> exceeds limit.</p>	4 hours
	<p>AND</p>	
	<p>B.2 Reduce Power Range Neutron Flux – High trip setpoints <math>\geq 1\%</math> for each <math>1\%</math> <del>that the maximum allowable power of the AFD limits is reduced</del> <math>F_Q^W(Z)</math> exceeds limit.</p>	72 hours
	<p>AND</p>	
	<p>B.3 Reduce Overpower <math>\Delta T</math> trip setpoints <math>\geq 1\%</math> for each <math>1\%</math> <del>that the maximum allowable power of the AFD limits is reduced</del> <math>F_Q^W(Z)</math> exceeds limit.</p>	72 hours
	<p>AND</p>	
	<p>B.4 Perform SR 3.2.1.1 and SR 3.2.1.2.</p>	Prior to increasing THERMAL POWER above the <del>maximum allowable power of the AFD limits</del> limit of Required Action B.1
<p>C. Required Action and associated Completion Time not met.</p>	<p>C.1 Be in MODE 2.</p>	6 hours

2.1.d →