

Southern Nuclear  
Operating Company, Inc.  
42 Inverness Center Parkway  
Birmingham, AL 35242



June 29, 2016

Docket Nos.: 52-025  
52-026

ND-16-1017  
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-16-001S2)

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. By letter ND-16-0549, dated April 8, 2016 [ADAMS Accession Number ML16099A284], SNC supplemented the license amendment request with necessary information to implement the original requested changes with correction to PS-TS 3.2.1 in Enclosure 5.

SNC has determined that further clarification of the incorporation of the Tier 2 and Tier 2\* information in WCAP-17524-P-A, Revision 1, AP1000 Core Reference Report, which received NRC approval on February 19, 2015 (see ML15015A571) is needed. SNC will incorporate the blue text added and remove the red boxed text deleted by WCAP-17524-P-A verbatim into the VEGP 3 and 4 UFSAR for UFSAR Chapters 1, 4, 6, 12, and 15. Additionally, all figures updated by WCAP-17524-P-A will be incorporated into the VEGP 3 and 4 UFSAR in their entirety, unmodified, except UFSAR Figure 4.2-8, which was redrawn to remove stray marks but without changing the content of the figure, provided in WCAP-17524-P-A. UFSAR Figure 4.2-8 was updated and incorporated into the UFSAR by LDCR-2015-063 and will remain as presented in UFSAR Revision 5.0, submitted June 17, 2016 by letter ND-16-0838.

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. Enclosure 5 of the supplement to the original request is not impacted by this supplemental information.

SNC requests NRC staff approval of the license amendment by July 15, 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 to the designated State Official.

Should you have any questions, please contact Ms. Amy C. Chamberlain at (205) 992-6361.

Mr. Wesley A. Sparkman states that: he is the Regulatory Affairs Licensing Manager, Nuclear Development, of Southern Nuclear Operating Company; he 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.

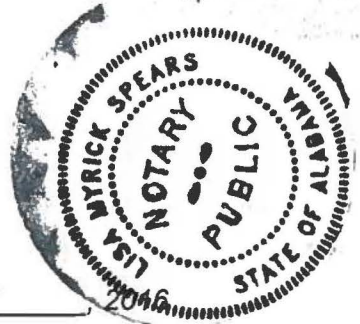
Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY



Wesley A. Sparkman

WAS/ACC/ljs



Sworn to and subscribed before me this 29<sup>th</sup> day of June

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) (previously submitted with the LAR supplement, LAR-16-001S1, in SNC letter ND-16-0549)

cc:

Southern Nuclear Operating Company / Georgia Power Company

Mr. S. E. Kuczynski  
Mr. M. D. Rauckhorst  
Mr. D. G. Bost  
Mr. M. D. Meier  
Mr. D. H. Jones  
Ms. K. D. Fili  
Mr. D. L. McKinney  
Mr. T.W. Yelverton  
Mr. B. H. Whitley  
Mr. C. R. Pierce  
Mr. D. L. Fulton  
Mr. M. J. Yox  
Mr. J. C. Haswell  
Mr. T. R. Takats  
Mr. W. A. Sparkman  
Mr. J. P. Redd  
Ms. K. A. Roberts  
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Nuclear Regulatory Commission

Ms. C. Haney  
Mr. S. Lee  
Mr. L. Burkhart  
Ms. J. Dixon-Herrity  
Mr. P. Kallan  
Mr. C. Patel  
Mr. W. C. Gleaves  
Mr. B. M. Bavol  
Ms. R. Reyes  
Ms. M. A. Sutton  
Mr. M. E. Ernstes  
Mr. G. Khouri  
Mr. J. D. Fuller  
Ms. S. Temple  
Ms. J. Uhle  
Mr. T.E. Chandler  
Ms. P. Braxton  
Mr. T. Brimfield  
Mr. M. Kowal  
Mr. A. Lerch

State of Georgia

Mr. R. Dunn

Oglethorpe Power Corporation

Mr. M. W. Price  
Mr. K. T. Haynes  
Ms. A. Whaley

Municipal Electric Authority of Georgia

Mr. J. E. Fuller  
Mr. S. M. Jackson

Dalton Utilities

Mr. T. Bundros

WECTEC

Ms. K. Stoner  
Mr. C. A. Castell

Westinghouse Electric Company, LLC

Mr. R. Easterling  
Mr. J. W. Crenshaw  
Mr. C. D. Churchman  
Mr. L. Woodcock  
Mr. P. A. Russ  
Mr. G. F. Couture  
Mr. M. Y. Shaqqo

Other

Mr. J. E. Hesler, Bechtel Power Corporation  
Ms. L. A. Matis, Tetra Tech NUS, Inc.  
Dr. W. R. Jacobs, Jr., Ph.D., GDS Associates, Inc.  
Mr. S. Roetger, Georgia Public Service Commission  
Ms. S. W. Kernizan, Georgia Public Service Commission  
Mr. K. C. Greene, Troutman Sanders  
Mr. S. Blanton, Balch Bingham  
Mr. R. Grumbir, APOG  
Mr. N. R. Kellenberger, South Carolina Electric & Gas Company  
Mr. D. Kersey, South Carolina Electric & Gas Company  
Mr. B. Kitchen, Duke Energy  
Mr. S. Franzone, Florida Power & Light