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Docket Nos.: 52-025  
52-026

ND-09-1113

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

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Units 3 and 4 Combined License Application  
Response to Bellefonte Units 3 and 4 Safety Evaluation Report Open Items for Chapter 19

Ladies and Gentlemen:

By letter dated March 28, 2008, Southern Nuclear Operating Company (SNC) submitted an application for combined licenses (COLs) for proposed Vogtle Electric Generating Plant (VEGP) Units 3 and 4 to the U.S. Nuclear Regulatory Commission (NRC) for two Westinghouse AP1000 reactor plants, in accordance with 10 CFR Part 52. As a result of the NRC's detailed review of the initial AP1000 Reference COL application (Bellefonte Units 3 and 4), the NRC has written a safety evaluation report (SER) with open items for the subject chapter. VEGP is addressing the open items identified in the SER in the enclosure to this letter as the new AP1000 Reference COL applicant. For completeness, each open item is identified but responses are provided only for the items impacting standard information or otherwise resulting in standard changes for the AP1000 COL applications. The open items identified as plant specific will be addressed on the Bellefonte Units 3 and 4 docket by the Tennessee Valley Authority.

If you have any questions regarding this letter, please contact Mr. Wes Sparkman at (205) 992-5061.

DO92  
NRC

Mr. J. A. (Buzz) Miller states he is an Executive Vice President 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



Joseph A. (Buzz) Miller

Sworn to and subscribed before me this 16<sup>th</sup> day of July, 2009.

Notary Public: Dana M. Williams

My commission expires: 12/29/2010



JAM/BJS/dmw

Enclosure: Response to R-COLA SER with Open Items, Chapter 19

cc: Southern Nuclear Operating Company

Mr. J. H. Miller, III, President and CEO (w/o enclosure)  
Mr. J. T. Gasser, Executive Vice President, Nuclear Operations (w/o enclosure)  
Mr. D. H. Jones, Site Vice President – Vogtle 3 and 4 (w/o enclosure)  
Mr. T. E. Tynan, Vice President - Vogtle (w/o enclosure)  
Mr. M. K. Smith, Technical Support Director  
Mr. D. M. Lloyd, Vogtle 3 & 4 Project Support Director  
Mr. C. R. Pierce, Nuclear Development Licensing Manager  
Mr. M. J. Ajluni, Nuclear Licensing Manager  
Mr. W. A. Sparkman, COL Project Engineer  
Document Services RTYPE: AR01.1053  
File AR.01.02.06

Nuclear Regulatory Commission

Mr. L. A. Reyes, Region II Administrator (w/o enclosure)  
Mr. F.M. Akstulewicz, Deputy Director Div. of Safety Systems & Risk Assess. (w/o enclosure)  
Ms. S. M. Coffin, AP1000 Manager of New Reactors (w/o enclosure)  
Mr. R. G. Joshi, Lead Project Manager of New Reactors  
Mr. B. Hughes, Project Manager of New Reactors  
Ms. T. E. Simms, Project Manager of New Reactors  
Mr. B. C. Anderson, Project Manager of New Reactors  
Mr. M. M. Comar, Project Manager of New Reactors  
Mr. M. D. Notich, Environmental Project Manager  
Mr. J. H. Fringer, III, Environmental Project Manager  
Mr. L. M. Cain, Senior Resident Inspector of VEGP

Georgia Power Company

Mr. O. C. Harper, IV, Vice President, Resource Planning and Nuclear Development (w/o enclosure)

Oglethorpe Power Corporation

Mr. M. W. Price, Chief Operating Officer (w/o enclosure)

Municipal Electric Authority of Georgia

Mr. S. M. Jackson, Vice President, Power Supply (w/o enclosure)

Dalton Utilities

Mr. D. Cope, President and Chief Executive Officer (w/o enclosure)

Bechtel Power Corporation

Mr. J. S. Prebula, Project Engineer (w/o enclosure)  
Mr. R. W. Prunty, Licensing Engineer

Tetra Tech NUS, Inc.

Ms. K. K. Patterson, Project Manager

Shaw Stone & Webster, Inc.

Mr. K. B. Allison, Project Manager (w/o enclosure)  
Mr. J. M. Oddo, Licensing Manager  
Mr. D. C. Shutt, Licensing Engineer

Westinghouse Electric Company, LLC

Mr. W. E. Cummins, Vice President of Regulatory Affairs and Standardization  
Mr. N. C. Boyter, Consortium Project Director Vogtle Units 3 & 4 (w/o enclosure)  
Mr. S. A. Bradley, Vogtle Project Licensing Manager  
Mr. R. B. Sisk, Manager, AP1000 Licensing and Customer Interface  
Mr. J. L. Whiteman, Principal Engineer, Licensing & Customer Interface  
Mr. D. A. Lindgren, Principal Engineer AP1000 Licensing and Customer Interface

NuStart Energy

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Mr. E. R. Grant  
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Mr. N. Haggerty  
Ms. K. N. Slays

Other NuStart Energy Associates

Ms. M. C. Kray, NuStart  
Mr. S. P. Frantz, Morgan Lewis  
Mr. P. S. Hastings, NuStart & Duke Energy  
Mr. J. A. Bailey, TVA  
Ms. A. L. Sterdis, TVA  
Mr. J. P. Berger, EDF  
Mr. M. W. Gettler, FP&L  
Mr. P. Hinnenkamp, Entergy  
Mr. G. D. Miller, PG&N  
Mr. M. C. Nolan, Duke Energy  
Mr. N. T. Simms, Duke Energy  
Mr. G. A. Zinke, NuStart & Entergy

(w/o Enclosure)

Mr. R. H. Kitchen, PGN  
Ms. A. M. Monroe, SCE&G  
Mr. R. Reister, DOE/PM

**Southern Nuclear Operating Company**

**ND-09-1113**

**Enclosure**

**Response to R-COLA SER with Open Items**

**Chapter 19**

<u>Open Item</u>	<u>Response</u>
19.58-01	Plant-Specific – Bellefonte (not included) NRC Staff Action (eRAI 1985 – 19-16)
19.58-02	Plant-Specific – Bellefonte (not included) NRC Staff Action (eRAI 1985 – 19-17)
19.59-01	Standard - See enclosed

**eRAI Tracking No. 0815**

**NuStart Qb Tracking No. 3505**

**NRC SER OI Number 19.59-01:**

In response to the first part of RAI 19-4, the applicant proposed revisions to BLN COL FSAR Table 2.0-201 and a similar passage in BLN COL FSAR Section 3.7.1.1.1. These have been incorporated in Revision 1 of the BLN COL FSAR. The staff finds the need for additional testing to be inconsistent with the BLN COL FSAR, Revision 1 statements on this issue. This is Open Item 19.59-1.

**SNC Response:**

This Open Item is related to seismic margins. In discussions with the NRC staff, it was determined that the staff is following up with Westinghouse to resolve this open item in the DCD (reference: DCD Open Item OI-SRP19.0-SPLA-12). As such, no action is needed by the COL Applicant at this time. However, the Open Item remains open for tracking purposes.

This response is expected to be STANDARD for the S-COLAs.

**Associated VEGP COL Application Revisions:**

To be provided in a future supplemental response if DCD open item resolution results in the need for a COLA change.