

**B. L. "Pete" Ivey**  
Vice President  
Nuclear Development Support

**Southern Nuclear  
Operating Company, Inc.**  
42 Inverness Center Parkway  
Post Office Box 1295  
Birmingham, Alabama 35242

Tel 205.992.7619  
Fax 205.992.5217



**AUG 13 2010**

Docket Nos.: 52-025  
52-026

ND-10-1566

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  
Voluntary Revision to Final Safety Analysis Report Chapter 6

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. SNC is supplementing the COL Application (COLA) Part 2, Final Safety Analysis Report (FSAR), to address a recently identified AP1000 Design Control Document (DCD) revision to a Chapter 6 COL information item regarding safety-related coatings.

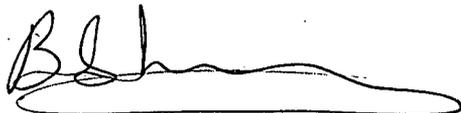
If you have any questions regarding this letter, please contact Mr. Wes Sparkman at (205) 992-5061 or Ms. Amy Aughtman at (205) 992-5805.

DO92  
MRO

Mr. B. L. Ivey states he is a 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



B. L. Ivey

Sworn to and subscribed before me this 13<sup>th</sup> day of August, 2010

Notary Public: Nancy Louise Henderson

My commission expires: March 23, 2014

BLI/BJS

Enclosure: VEGP Units 3 and 4 COL Application – Voluntary Revision to FSAR Chapter 6 Regarding Safety-Related Coatings



cc: Southern Nuclear Operating Company

Mr. J. H. Miller, III, President and CEO (w/o enclosure)  
Mr. J. A. Miller, Executive Vice President, Nuclear Development (w/o enclosure)  
Mr. J. T. Gasser, Executive Vice President, Nuclear Operations (w/o enclosure)  
Mr. D. H. Jones, Site Vice President, Vogtle 3 & 4 (w/o enclosure)  
Mr. T. E. Tynan, Vice President - Vogtle (w/o enclosure)  
Mr. M. K. Smith, Technical Support Director (w/o enclosure)  
Mr. D. M. Lloyd, Vogtle 3 & 4 Project Support Director (w/o enclosure)  
Mr. C. R. Pierce, AP1000 Licensing Manager  
Mr. M. J. Ajluni, Nuclear Licensing Manager  
Mr. T. C. Moorer, Manager, Environmental Affairs, Chemistry and Rad. Services  
Mr. J. D. Williams, Vogtle 3 & 4 Site Support Manager  
Mr. J. T. Davis, Vogtle 3 & 4 Site Licensing Supervisor  
Mr. W. A. Sparkman, COL Project Engineer  
Ms. A. G. Aughtman, AP1000 Lead Licensing Engineer  
Document Services RTYPE: AR01.1053  
File AR.01.02.06

Nuclear Regulatory Commission

Mr. L. A. Reyes, Region II Administrator  
Mr. F. M. Akstulewicz, Deputy Director Div. of Safety Systems & Risk Assess. (w/o encl.)  
Mr. R. G. Joshi, Lead 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  
Ms. S. Goetz, Project Manager of New Reactors  
Mr. J. M. Sebrosky, Project Manager of New Reactors  
Mr. D. C. Habib, Project Manager of New Reactors  
Ms. D. L. McGovern, Project Manager of New Reactors  
Ms. T. L. Spicher, Project Manager of New Reactors  
Ms. M. A. Sutton, Environmental Project Manager  
Mr. M. D. Notich, Environmental Project Manager  
Mr. L. M. Cain, Senior Resident Inspector of VEGP 1 & 2  
Mr. J. D. Fuller, Senior Resident Inspector of VEGP 3 & 4

Georgia Power Company

Mr. T. W. Yelverton, Nuclear Development Director  
Ms. A. N. Faulk, Nuclear Regulatory Affairs Manager

Oglethorpe Power Corporation

Mr. M. W. Price, Executive Vice President and Chief Operating Officer  
Mr. K. T. Haynes, Director of Contracts and Regulatory Oversight

Municipal Electric Authority of Georgia

Mr. J. E. Fuller, Senior Vice President, Chief Financial Officer  
Mr. S. M. Jackson, Vice President, Power Supply

Dalton Utilities

Mr. D. Cope, President and Chief Executive Officer

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. C. A. Fonseca, Vogtle Project Manager (w/o enclosure)  
Mr. J. M. Oddo, Licensing Manager  
Mr. D. C. Shutt, Licensing Engineer

Westinghouse Electric Company, LLC

Mr. S. D. Rupprecht, Vice President of Regulatory Affairs & Strategy (w/o enclosure)  
Mr. R. Buechel, Consortium Project Director Vogtle Units 3 & 4 (w/o enclosure)  
Mr. S. A. Bradley, Vogtle Project Licensing Manager  
Mr. M. A. Melton, Manager, Regulatory Interfaces  
Mr. R. B. Sisk, Manager, AP1000 Licensing and Customer Interface  
Mr. D. A. Lindgren, Principal Engineer, AP1000 Licensing and Customer Interface

NuStart Energy

Mr. R. J. Grumbir  
Mr. E. R. Grant  
Mr. P. S. Hastings  
Mr. B. Hirmanpour  
Mr. N. Haggerty  
Ms. K. N. Slays

Other NuStart Energy Associates

Ms. M. C. Kray, NuStart  
Mr. S. P. Frantz, Morgan Lewis  
Mr. J. A. Bailey, TVA  
Ms. A. L. Sterdis, TVA  
Mr. M. Vidard, EDF  
Mr. W. Maher, FP&L  
Mr. K. Hughey, Entergy  
Mr. N. T. Simms, Duke Energy  
Mr. G. A. Zinke, NuStart & Entergy  
Mr. R. H. Kitchen, PGN  
Ms. A. M. Monroe, SCE&G  
Mr. T. Miller, DOE/PM

**Southern Nuclear Operating Company**

**ND-10-1566**

**Enclosure**

**VEGP Units 3 and 4 COL Application –**

**Voluntary Revision to FSAR Chapter 6**

**Regarding Safety-Related Coatings**

**NuStart Qb Tracking No. 4191**

**STD COL 06.01-02**

Westinghouse recently responded to RAI-SRP6.1.2-CIB1-01 via letter DCP/NRC2841, as submitted March 31, 2010. The response to the Design Control Document (DCD) RAI included a revision to the COL information item identified in DCD Section 6.1.3.2. Per the letter, this section of the DCD will be revised in a future amendment to include the following language.

The Combined License applicants referencing the AP1000 will provide programs to control procurement, application, inspection, and monitoring of Service Level I, Service Level II, and Service Level III coatings. The programs for the control of the use of these coatings will be consistent with subsection 6.1.2.1.6.

Among other minor revisions, this language revises the COL information item to address "inspection" and "Service Level II" coatings. As such, the COLA FSAR was revised as provided in SNC letter ND-10-1264, dated July 2, 2010, to address the revision to the COL information item. These revisions were included in COLA FSAR, Revision 3.

NRC review of the associated COLA revisions provided in SNC letter ND-10-1264 noted that the standards to be identified for procurement of Service Level II coatings to address qualification to design basis accident conditions were not identified. As such, the COLA FSAR Revision 3 is revised as shown in the COL Application Revision section below to address the concern. These additional revisions will be included in a future COL application revision.

Westinghouse has indicated that the above noted changes to the DCD will be included in an upcoming amendment to the AP1000 DCD (see RAI-SRP6.1.2-CIB1-01, DCP/NRC2841), and as such, these changes to the COL application are not considered to be a departure from the DCD. Should Westinghouse not incorporate these changes as expected, a revision to this response will be provided to address the differences.

This change is expected to be STANDARD for each S-COLA.

**Associated VEGP COL Application Revisions:**

COLA Part 2, FSAR Chapter 6, Section 6.1.2.1.6, will be revised to include the following new information after the existing fourth paragraph just after the Service Level I and Service Level III discussions (the LMA of STD COL 6.1-2 remains unchanged):

Include a new second paragraph under the subsection titled "Service Level II Coatings" within DCD Subsection 6.1.2.1.6 with the following information.

Such safety-related Service Level II coatings used inside containment are procured to the same standards as Service Level I coatings with regard to radiation tolerance and performance under design basis accident conditions as discussed below.