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ND-12-1326

10 CFR 52 App. D, Section X.B.2
10 CFR 50.71(e)

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

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Units 3 and 4
Updated Final Safety Analysis Report

Ladies and Gentlemen:

The U.S. Nuclear Regulatory Commission (NRC) issued the Vogtle Electric Generating Plant (VEGP) Units 3 and 4 combined licenses (COLs) (License Nos. NPF-91 and NPF-92, respectively) to Southern Nuclear Operating Company (SNC) on February 10, 2012.

In accordance with the provisions of Sections 50.4(b) and 50.71(e) of Title 10 of the *Code of Federal Regulations* (10 CFR), and as required by 10 CFR Part 52, Appendix D, Section X.B.2, SNC hereby submits Revision 1 to the VEGP Units 3 and 4 Updated Final Safety Analysis Report (UFSAR), provided as Enclosure 2. As explained below, the UFSAR includes the plant-specific DCD, Tier 2 information. The plant-specific Tier 1 information has not changed since COL receipt, therefore, the VEGP Units 3 and 4 Plant-Specific Tier 1 document is not provided with this submittal.

UFSAR Revision 1 is an integration of the FSAR provided in the VEGP Units 3 and 4 Combined License Application (COLA), Tier 2 information from the AP1000 Design Control Document (DCD) Revision 19 as modified by departures, the VEGP Units 3 and 4 Early Site Permit Application Site Safety Analysis Report (ESPA SSAR) as amended and modified by variances, and various Nuclear Energy Institute (NEI) templates that were incorporated by reference (IBR) into the FSAR. The UFSAR includes color coded font as a users aid in identifying the origin of the text. A formatting legend is provided at the bottom of the Table of Contents page.

SNC submitted the semi-annual departure report in accordance with 10 CFR 52, Appendix D, Sections X.B.1 and X.B.3.b by letter ND-12-1274, dated June 14, 2012. That report summarized all new departures that have been made since the VEGP Units 3 and 4 COLs were received on February 10, 2012. Those departures are included in the enclosed UFSAR Revision 1. In addition, changes to site-specific information in the FSAR, made pursuant to 10 CFR 50.59 that did not require a full evaluation are also included in this revision. Changes are identified by a vertical revision bar in the right margin.

A053
D092
NRO

No changes were made to the Technical Specification (TS) Bases pursuant to TS 5.5.6 during the current reporting period.

The Nuclear Development Quality Assurance Manual (NDQAM) Version 10.0 was issued for use on May 31, 2011. The VEGP Units 3 and 4 UFSAR has been revised to incorporate by reference (IBR) this latest version of the NDQAM. SNC evaluated this revision to the NDQAM in accordance with 10 CFR 50.55(f) and confirms that the included changes continue to satisfy 10 CFR 50, Appendix B and the FSAR quality assurance program description commitments previously accepted by the NRC. NDQAM Version 10.0 will be submitted under separate transmittal in accordance with the provisions of 10 CFR 50.55(f)(4)(i).

Enclosure 1 provides a list of files and associated file names for the CD-ROM provided as Enclosure 2 containing the UFSAR.

Enclosure 2, the VEGP Units 3 and 4 UFSAR, Revision 1 contains Security-Related Information (SRI), and accordingly SNC requests that this enclosure be withheld from public disclosure under 10 CFR 2.390(d). This CD-ROM contains all the current pages of the VEGP Units 3 and 4 UFSAR in portable document format (PDF). Appropriate pre-submission checks have been performed on the files to ensure compliance with the NRC "Guidance for Electronic Submissions to the NRC, Revision 6.1, dated May 27, 2011. Exceptions are annotated in Enclosure 1.

Enclosure 3 contains a list of UFSAR Revision 1 figures or sections that contain SRI.

This letter contains no NRC commitments. If you have any questions regarding this letter, please contact Mr. Wes Sparkman at (205) 992-5061.

Mr. C. R. Pierce 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

C. R. Pierce

C. R. Pierce

CRP/GAB/dmw

Sworn to and subscribed before me this 25th day of June, 2012

Notary Public: Dana Marie Williams

My commission expires: 12/01/2014

NOTARY PUBLIC STATE OF ALABAMA AT LARGE
MY COMMISSION EXPIRES: Dec 1, 2014
BONDED THRU NOTARY PUBLIC UNDERWRITERS

Enclosures:

1. UFSAR Revision 1, CD-ROM List of Files
2. CD-ROM containing the UFSAR Revision 1 [**Note: Contains SUNSI Security-Related Information-Withhold Under 10 CFR 2.390(d)**]
3. List of UFSAR Revision 1 Figures or Sections Containing Security-Related Information (SRI)

cc: (all w/o Enclosures except as noted)

Southern Nuclear Operating Company

Mr. S. E. Kuczynski, Chairman, President & CEO
Mr. J. A. Miller, Executive VP, Nuclear Development
Mr. D. A. Bost, Chief Nuclear Officer
Mr. B. L. Ivey, VP, Regulatory Affairs
Mr. M. D. Rauckhorst, VP, Vogtle 3 & 4 Construction
Mr. D. H. Jones, VP, Regulatory Affairs, Vogtle 3 & 4
Mr. J. R. Johnson, VP, Operational Readiness, Vogtle 3 & 4
Mr. T. E. Tynan, Site VP, Vogtle 1 & 2
Mr. D. M. Lloyd, Project Support Director, Vogtle 3 & 4
Mr. C. R. Pierce, Regulatory Affairs Director
Mr. M. J. Ajluni, Nuclear Licensing Director
Mr. D. L. Fulton, Environmental Manager
Mr. J. D. Williams, Site Support Manager, Vogtle 3 & 4
Mr. C. H. Mahan, Site Licensing Manager, Vogtle 3 & 4
Ms. A. G. Aughtman, Corporate Licensing Manager, Vogtle 3 & 4
Mr. W. A. Sparkman, Licensing Supervisor
Mr. D. W. Midlik, Licensing Supervisor
Document Services RTYPE: GOV0208 (with Enclosures)
File AR.01.02.06

Nuclear Regulatory Commission

Mr. V. M. McCree, Region II Administrator (with Enclosures)
Mr. F. M. Akstulewicz, Deputy Director Div. of New Reactor Licensing
Mr. M. E. Tonacci, AP1000 Licensing Branch Chief
Mr. R. G. Joshi, Lead Project Manager of New Reactors (with Enclosures)
Ms. D. L. McGovern, Project Manager of New Reactors
Mr. B. M. Bovol, Project Manager of New Reactors
Ms. M. A. Sutton, 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 (with Enclosures)
Mr. G. Khouri, Senior Project Engineer VEGP 3 & 4
Mr. C. Abbott, Resident Inspector of VEGP 3 & 4
Mr. C. Huffman, Resident Inspector of VEGP 3 & 4

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Mr. B. H. Whitley, Nuclear Development Director

Oglethorpe Power Corporation

Mr. M. W. Price, Executive VP and Chief Operating Officer
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Municipal Electric Authority of Georgia

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Mr. S. M. Jackson, VP, Power Supply

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Shaw Stone & Webster, Inc.

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Ms. J. Falascino, VP, Project Delivery
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Mr. R. F. Ziesing, Director, Vogtle AP1000 Operations and Consortium Licensing
Mr. P. A. Russ, Director, AP1000 Global Licensing
Mr. R. A. DeLong, Director of U.S. & International Licensing (acting)
Mr. S. A. Bradley, Vogtle Project Licensing Manager
Mr. M. A. Melton, Manager, Regulatory Interfaces
Mr. T. J. Ray, Manager, AP1000 COL Licensing Support

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ND-12-1326

Enclosure 1

UFSAR Revision 1

CD-ROM List of Files

ND-12-1326
Enclosure 1
UFSAR Revision 1
CD-ROM List of Files

UFSAR_CHAP01.pdf
UFSAR_CHAP02_TOC.pdf
UFSAR_SEC02_00.pdf
UFSAR_SEC02_01.pdf
UFSAR_SEC02_02.pdf
UFSAR_SEC02_03.pdf
UFSAR_SEC02_04.pdf
UFSAR_SEC02_04A.pdf
UFSAR_SEC02_04B.pdf*
UFSAR_SEC02_05.pdf
UFSAR_SEC02_05A.pdf
UFSAR_SEC02_05B.pdf
UFSAR_SEC02_05C.pdf
UFSAR_SEC02_05D.pdf
UFSAR_SEC02_05E.pdf
UFSAR_CHAP03_TOC.pdf
UFSAR_SEC03_01.pdf
UFSAR_SEC03_02.pdf
UFSAR_SEC03_03.pdf
UFSAR_SEC03_04.pdf
UFSAR_SEC03_05.pdf
UFSAR_SEC03_06.pdf
UFSAR_SEC03_07.pdf
UFSAR_SEC03_08.pdf
UFSAR_SEC03_09.pdf
UFSAR_SEC03_10.pdf
UFSAR_SEC03_11.pdf
UFSAR_SEC03_A.pdf

UFSAR_SEC03_B.pdf
UFSAR_SEC03_C.pdf
UFSAR_SEC03_D.pdf
UFSAR_SEC03_E.pdf
UFSAR_SEC03_F.pdf
UFSAR_SEC03_G.pdf
UFSAR_SEC03_GG.pdf
UFSAR_SEC03_H.pdf
UFSAR_SEC03_I.pdf
UFSAR_CHAP04.pdf
UFSAR_CHAP05.pdf
UFSAR_CHAP06.pdf
UFSAR_CHAP07.pdf
UFSAR_CHAP08.pdf
UFSAR_CHAP09.pdf
UFSAR_CHAP10.pdf
UFSAR_CHAP11.pdf
UFSAR_CHAP12.pdf
UFSAR_CHAP13.pdf
UFSAR_CHAP14.pdf
UFSAR_CHAP15.pdf
UFSAR_CHAP16.pdf
UFSAR_CHAP17.pdf
UFSAR_CHAP18.pdf
UFSAR_CHAP19.pdf

Total Files Listed: 53 File(s)

* This file has image resolution issues on color images that were embedded in a Word document source file (not scanned pages).
This file was previously accepted during the original VEGP ESP Application submittal (Rev. 5).

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ND-12-1326

Enclosure 2

CD-ROM containing the UFSAR Revision 1

[Note: Contains SUNSI Security-Related Information-Withhold Under 10 CFR 2.390(d)]

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ND-12-1326

Enclosure 3

**List of UFSAR Revision 1 Figures or Sections
Containing Security-Related Information (SRI)**

ND-12-1326
Enclosure 3
List of UFSAR Revision 1 Figures or Sections
Containing Security-Related Information (SRI)

Figure 1.2-2
Figure 1.2-4
Figure 1.2-5
Figure 1.2-6
Figure 1.2-7
Figure 1.2-8
Figure 1.2-9
Figure 1.2-10
Figure 1.2-11
Figure 1.2-12
Figure 1.2-13
Figure 1.2-14
Figure 1.2-15
Figure 1.2-16
Figure 1.2-17
Figure 1.2-201
Figure 1.2-19
Figure 1.2-20
Figure 1.2-21
Figure 1.2-22
Figure 1.2-23
Figure 1.2-24
Figure 1.2-25
Figure 1.2-26
Figure 1.2-27
Figure 1.2-28
Figure 1.2-29
Figure 1.2-30
Figure 3.7.2-12 (Sheet 1 of 12)
Figure 3.7.2-12 (Sheet 2 of 12)
Figure 3.7.2-12 (Sheet 3 of 12)
Figure 3.7.2-12 (Sheet 4 of 12)
Figure 3.7.2-12 (Sheet 5 of 12)
Figure 3.7.2-12 (Sheet 6 of 12)
Figure 3.7.2-12 (Sheet 7 of 12)
Figure 3.7.2-12 (Sheet 8 of 12)
Figure 3.7.2-12 (Sheet 9 of 12)
Figure 3.7.2-12 (Sheet 10 of 12)
Figure 3.7.2-12 (Sheet 11 of 12)
Figure 3.7.2-12 (Sheet 12 of 12)
Figure 3.7.2-19 (Sheet 1 of 10)
Figure 3.7.2-19 (Sheet 2 of 10)
Figure 3.7.2-19 (Sheet 3 of 10)
Figure 3.7.2-19 (Sheet 4 of 10)
Figure 3.7.2-19 (Sheet 5 of 10)
Figure 3.7.2-19 (Sheet 6 of 10)
Figure 3.7.2-19 (Sheet 7 of 10)
Figure 3.7.2-19 (Sheet 8 of 10)
Figure 3.7.2-19 (Sheet 9 of 10)
Figure 3.7.2-19 (Sheet 10 of 10)
Figure 3.8.3-1 (Sheet 2 of 7)
Figure 3.8.3-1 (Sheet 4 of 7)
Figure 3H.5-1 (Sheet 3 of 3)
Figure 3H.5-11 (Sheet 1 of 6)
Figure 3H.5-11 (Sheet 2 of 6)
Figure 3H.5-11 (Sheet 3 of 6)
Figure 3H.5-11 (Sheet 4 of 6)
Figure 3H.5-11 (Sheet 5 of 6)
Figures 3H.5-16 (Sheet 1 of 2)
Figures 3H.5-16 (Sheet 2 of 2)
Figure 6.2.4-5
Figure 6.2.4-6
Figure 6.2.4-7
Figure 6.2.4-8
Figure 6.2.4-9
Figure 6.2.4-10
Figure 6.2.4-11
Figure 6.2.4-12
Figure 6.2.4-13
Figure 6.4-1
Figure 9A-1 (Sheet 2 of 16)
Figure 9A-1 (Sheet 3 of 16)
Figure 9A-1 (Sheet 4 of 16)
Figure 9A-1 (Sheet 5 of 16)
Figure 9A-1 (Sheet 6 of 16)
Figure 9A-1 (Sheet 7 of 16)
Figure 9A-1 (Sheet 8 of 16)
Figure 9A-1 (Sheet 9 of 16)
Figure 9A-1 (Sheet 10 of 16)
Figure 9A-1 (Sheet 11 of 16)
Figure 9A-1 (Sheet 12 of 16)
Figure 9A-1 (Sheet 13 of 16)
Figure 9A-1 (Sheet 14 of 16)
Figure 9A-1 (Sheet 15 of 16)
Figure 9A-1 (Sheet 16 of 16)
Figure 9A-2 (Sheet 1 of 5)
Figure 9A-2 (Sheet 2 of 5)
Figure 9A-2 (Sheet 3 of 5)
Figure 9A-2 (Sheet 4 of 5)
Figure 9A-2 (Sheet 5 of 5)
Figure 9A-201
Figure 9A-3 (Sheet 2 of 3)
Figure 9A-3 (Sheet 3 of 3)
Figure 9A-4
Figure 9A-5
Figure 12.3-1 (Sheet 2 of 16)
Figure 12.3-1 (Sheet 3 of 16)
Figure 12.3-1 (Sheet 4 of 16)

ND-12-1326
Enclosure 3
List of UFSAR Revision 1 Figures or Sections
Containing Security-Related Information (SRI)

Figure 12.3-1 (Sheet 5 of 16)
Figure 12.3-1 (Sheet 6 of 16)
Figure 12.3-1 (Sheet 7 of 16)
Figure 12.3-1 (Sheet 8 of 16)
Figure 12.3-1 (Sheet 9 of 16)
Figure 12.3-1 (Sheet 10 of 16)
Figure 12.3-201
Figure 12.3-1 (Sheet 12 of 16)
Figure 12.3-1 (Sheet 13 of 16)
Figure 12.3-1 (Sheet 14 of 16)
Figure 12.3-1 (Sheet 15 of 16)
Figure 12.3-1 (Sheet 16 of 16)
Figure 12.3-2 (Sheet 2 of 15)
Figure 12.3-2 (Sheet 3 of 15)
Figure 12.3-2 (Sheet 4 of 15)
Figure 12.3-2 (Sheet 5 of 15)
Figure 12.3-2 (Sheet 6 of 15)
Figure 12.3-2 (Sheet 7 of 15)

Figure 12.3-2 (Sheet 8 of 15)
Figure 12.3-2 (Sheet 9 of 15)
Figure 12.3-2 (Sheet 10 of 15)
Figure 12.3-202
Figure 12.3-2 (Sheet 12 of 15)
Figure 12.3-2 (Sheet 13 of 15)
Figure 12.3-2 (Sheet 14 of 15)
Figure 12.3-2 (Sheet 15 of 15)
Figure 12.3-3 (Sheet 2 of 16)
Figure 12.3-3 (Sheet 3 of 16)
Figure 12.3-3 (Sheet 4 of 16)
Figure 12.3-3 (Sheet 5 of 16)
Figure 12.3-3 (Sheet 6 of 16)
Figure 12.3-3 (Sheet 7 of 16)
Figure 12.3-3 (Sheet 8 of 16)
Figure 12.3-3 (Sheet 9 of 16)
Figure 12.3-3 (Sheet 10 of 16)
Figure 12.3-203