

Southern Nuclear
Operating Company, Inc.
40 Inverness Center Parkway
Birmingham, Alabama 35242



SEP 23 2009

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52-026

ND-09-1501
10 CFR 51.45
10 CFR 52.80

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
Revision 1 to the Environmental Report

Ladies and Gentlemen:

On March 28, 2008, Southern Nuclear Operating Company (SNC) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) requesting combined licenses (COLs) for two AP1000 advanced passive pressurized water reactors designated Vogtle Electric Generating Plant (VEGP) Units 3 and 4. On May 22, 2009, SNC submitted Revision 1 to the COL Application with the exception of Part 3, "Environmental Report." The enclosure to this letter provides Revision 1 to the VEGP Units 3 and 4 COL Application Environmental Report. The Environmental Report is being updated to reflect conforming changes to Revision 17 of the Westinghouse Electric Company's AP1000 Design Control Document and self-identified corrections and enhancements. Revisions to the Environmental Report are identified by change bars positioned in the right hand margin for text and by the revision number for figures. No other Parts of the VEGP Units 3 and 4 COL Application are revised at this time.

This Environmental Report revision contains no restricted data or national defense information requiring separation in accordance with 10 CFR 50.33(j).

A document identifying each change, as well as its source or basis, is being provided as an aid to the NRC reviewers and will be submitted by separate letter.

Consistent with common licensing practice, most of the Environmental Report text is written in the present tense, active voice, including discussions of facilities and programs not yet built or implemented. Exceptions to this approach are the discussions of operating experience and completed studies and evaluations, which are written in the past tense. It should be understood, however, that statements regarding facilities (e.g., structures, systems and components) and pre-construction, pre-operational, and operational activities (e.g., procedures and programs) typically address activities that have not yet been performed and will not be performed until it is reasonable and appropriate to do so.

DOOR
NRO

The revised Environmental Report is provided in electronic file format on the enclosed disk. Appropriate pre-submission checks have been successfully performed on the file to ensure compliance with the guidelines provided on the NRC web site and they have been found acceptable for electronic submittal. The disk includes a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing. In addition, by copy of this letter, 20 copies of the complete COL application on DVD disks, including the revised Environmental Report, are being provided to the NRC VEGP COL Project Manager.

The SNC licensing contact for this application is W. A. Sparkman at (205) 992-5061 or T. C. Moorer at (205) 992-5807.

Mr. C.R. Pierce states he is AP1000 Licensing Manager 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



Charles R. Pierce

Sworn to and subscribed before me this 23rd day of September, 2009

Notary Public: Deborah A. Jaworska

My commission expires: October 24, 2012

CRP/BJS/dmw

Enclosure: Vogtle Electric Generating Plant Units 3 and 4 COL Application Environmental Report Revision 1

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. D. M. Lloyd, Vogtle 3 & 4 Project Support Director (w/o enclosure)
Mr. M. K. Smith, Technical Support Director (w/o enclosure)
Mr. M. J. Ajluni, Nuclear Licensing Manager (w/o enclosure)
Mr. J. M. Giddens, Quality Assurance Project Manager (w/o enclosure)
Mr. T. C. Moorer, Environmental Affairs, Chemistry, and Health Physics Manager (w/o encl.)
Mr. W. A. Sparkman, COL Project Engineer
Document Services RTYPE: AR01.1001
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 enclosure)
Ms. S. M. Coffin, AP1000 Manager of New Reactors (w/o enclosure)
Mr. R. G. Joshi, Lead Project Manager of New Reactors (w/o enclosure)
Mr. B. Hughes, Project Manager of New Reactors (w/o enclosure)
Ms. T. E. Simms, Project Manager of New Reactors (w/o enclosure)
Mr. B. C. Anderson, Project Manager of New Reactors (w/o enclosure)
Mr. M. M. Comar, Project Manager of New Reactors (w/o enclosure)
Mr. M. D. Notich, Environmental Project Manager (w/o enclosure)
Ms. M. A. Sutton, Environmental Project Manager (w/ 20 complete COLA DVDs)
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, Executive Vice President and Chief Operating Officer (w/o enclosure)
Mr. K. T. Haynes, Director of Contracts and Regulatory Oversight

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)

Burke County Chief Executive

Mr. James M. Dixon, Chairman, Burke County Board of Commissioners

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 (w/o enclosure)

Mr. D. C. Shutt, Licensing Engineer (w/o enclosure)

Westinghouse Electric Company, LLC

Mr. N. C. Boyter, Consortium Project Director Vogtle Units 3 & 4 (w/o enclosure)

Mr. R. B. Sisk, Manager, AP1000 Licensing and Customer Interface (w/o enclosure)

Mr. S. A. Bradley, Vogtle Project Licensing Manager (w/o enclosure)

Mr. J. L. Whiteman, Principal Engineer, Licensing & Customer Interface (w/o enclosure)

NuStart Energy

Mr. R. J. Grumbir (w/o enclosure)

Mr. P. S. Hastings (w/o enclosure)

Mr. E. R. Grant (w/o enclosure)

Mr. B. Hirmanpour (w/o enclosure)

Mr. N. Haggerty (w/o enclosure)

Ms. K. N. Slays (w/o enclosure)

Southern Nuclear Operating Company

ND-09-1501

Enclosure

Vogtle Electric Generating Plant Units 3 and 4

COL Application

Environmental Report

Revision 1

ND-09-1501
Enclosure
Sheet 2 of 2

Contact

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Document Components:

One DVD is included in this submission enclosure and it is labeled "Southern Nuclear Operating Company Vogtle Electric Generating Plant, Units 3 and 4 COL Application Environmental Report - Revision 1, ND-09-1501 Enclosure." The contents of the DVD are specified on the packing slip for the DVD.