

PMVogtleCOLPEm Resource

From: Javorka, Deborah A. [DAJavork@southernco.com]
Sent: Friday, December 11, 2009 3:31 PM
To: Miller, James H., III; Miller, Buzz (Joseph); Gasser, Jeff T.; Jones, David H.; Tynan, Tom E.; Lloyd, Dale M.; Smith, Michael K.; Ajluni, Mark J.; Williams, James D. (Vogtle); Davis, James T.; Giddens, John M.; Moorer, Tom C.; Sparkman, Wesley A.; Aughtman, Amy G.; Sweeney, Brian J.; Pierce, Chuck R.; Reyes, Luis; Akstulewicz, Frank; Joshi, Ravindra; Hughes, Brian; Simms, Tanya; Anderson, Brian; Comar, Manny; Notich, Mark; Cain, Loyd; Harper, Oscar C.; Jackson, S. (MEAG); Mr. J.S. Prebula; Mr. R.W. Prunty; Mr. K.B. Allison; Mr. J.M. Oddo; Mr. D.C. Shutt; Mr. E. Cummins; Norm Boyter; Sam Bradley; Mr. R.B. Sisk; Mr. J.L. Whiteman; Mr. D.A. Lindgren (lindg1da@westinghouse.com); Mr. R.J. Grumbir; Mr. E. Grant ; Mr. B. Hirmanpour; neilhaggerty@comcast.net; Ms. K.N. Slays; Mr. P.S. Hastings
Cc: Williams, Dana M.
Subject: SNC Letter ND-09-2001 - SNC VEGP Units 3&4 Combined License Application Submittal No. 5
Attachments: ND-09-2001.pdf
Importance: High

An electronic copy of Southern Nuclear's letter, ND-09-2001 dated December 11, 2009 is attached without the enclosure.

A hard copy has been transmitted to the NRC Document Control Desk via FedEx. Thanks!

Deborah Javorka
Southern Nuclear Operating Company
Nuclear Development / Project Controls
42 Inverness Center Parkway - Bin B236
Birmingham, AL 35242
dajavork@southernco.com
Phone: (205) 992-5187
Fax: (205) 992-5296

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Subject: SNC Letter ND-09-2001 - SNC VEGP Units 3&4 Combined License Application
Submittal No. 5
Sent Date: 12/11/2009 3:31:14 PM
Received Date: 12/11/2009 3:32:05 PM
From: Javorka, Deborah A.

Created By: DAJavork@southernco.com

Recipients:

"Williams, Dana M." <DANAWILL@SOUTHERNCO.COM>
Tracking Status: None
"Miller, James H., III" <JHMILLER@southernco.com>
Tracking Status: None
"Miller, Buzz (Joseph)" <JAMILLER@southernco.com>
Tracking Status: None
"Gasser, Jeff T." <JTGASSER@southernco.com>
Tracking Status: None
"Jones, David H." <DAHJONES@southernco.com>
Tracking Status: None
"Tynan, Tom E." <TETYNAN@southernco.com>
Tracking Status: None
"Lloyd, Dale M." <DMLLOYD@southernco.com>
Tracking Status: None
"Smith, Michael K." <MKSmith@southernco.com>
Tracking Status: None
"Ajluni, Mark J." <MJAJLUNI@southernco.com>
Tracking Status: None
"Williams, James D. (Vogtle)" <JADWILLI@southernco.com>
Tracking Status: None
"Davis, James T." <JTDAVIS@southernco.com>
Tracking Status: None
"Giddens, John M." <JMGIDDEN@southernco.com>
Tracking Status: None
"Moorer, Tom C." <TCMOORER@southernco.com>
Tracking Status: None
"Sparkman, Wesley A." <WASPARKM@southernco.com>
Tracking Status: None
"Aughtman, Amy G." <AGAUGHTM@SOUTHERNCO.COM>
Tracking Status: None
"Sweeney, Brian J." <X2SWEENE@southernco.com>
Tracking Status: None
"Pierce, Chuck R." <CRPIERCE@southernco.com>
Tracking Status: None
"Reyes, Luis" <Luis.Reyes@nrc.gov>
Tracking Status: None
"Akstulewicz, Frank" <Frank.Akstulewicz@nrc.gov>
Tracking Status: None
"Joshi, Ravindra" <Ravindra.Joshi@nrc.gov>
Tracking Status: None

"Hughes, Brian" <Brian.Hughes@nrc.gov>
Tracking Status: None
"Simms, Tanya" <Tanya.Simms@nrc.gov>
Tracking Status: None
"Anderson, Brian" <Brian.Anderson@nrc.gov>
Tracking Status: None
"Comar, Manny" <Manny.Comar@nrc.gov>
Tracking Status: None
"Notich, Mark" <Mark.Notich@nrc.gov>
Tracking Status: None
"Cain, Loyd" <Loyd.Cain@nrc.gov>
Tracking Status: None
"Harper, Oscar C." <OCHARPER@southernco.com>
Tracking Status: None
"Jackson, S. (MEAG)" <sjackson@meagpower.org>
Tracking Status: None
"Mr. J.S. Prebula" <jprebula@bechtel.com>
Tracking Status: None
"Mr. R.W. Prunty" <rwprunty@bechtel.com>
Tracking Status: None
"Mr. K.B. Allison" <kenneth.allison@shawgrp.com>
Tracking Status: None
"Mr. J.M. Oddo" <john.oddo@shawgrp.com>
Tracking Status: None
"Mr. D.C. Shutt" <daniel.shutt@shawgrp.com>
Tracking Status: None
"Mr. E. Cummins" <cumminwe@westinghouse.com>
Tracking Status: None
"Norm Boyter" <boyternc@westinghouse.com>
Tracking Status: None
"Sam Bradley" <bradlesa@westinghouse.com>
Tracking Status: None
"Mr. R.B. Sisk" <sisk1rb@westinghouse.com>
Tracking Status: None
"Mr. J.L. Whiteman" <whitemjl@westinghouse.com>
Tracking Status: None
"Mr. D.A. Lindgren (lindg1da@westinghouse.com)" <lindg1da@westinghouse.com>
Tracking Status: None
"Mr. R.J. Grumbir" <rgrumbir@gmail.com>
Tracking Status: None
"Mr. E. Grant " <eddie.grant@excelservices.com>
Tracking Status: None
"Mr. B. Hirmanpour" <Bob.Hirmanpour@excelservices.com>
Tracking Status: None
"neilhaggerty@comcast.net" <neilhaggerty@comcast.net>
Tracking Status: None
"Ms. K.N. Slays" <Kim.Slays@duke-energy.com>
Tracking Status: None
"Mr. P.S. Hastings" <peter.hastings@duke-energy.com>
Tracking Status: None

Post Office: FMXAPEX81PR.southernco.com

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MESSAGE	450	12/11/2009 3:32:05 PM
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Options

Priority:

High

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No

Reply Requested:

No

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Normal

Expiration Date:

Recipients Received:

Southern Nuclear
Operating Company, Inc.
40 Inverness Center Parkway
Post Office Box 1295
Birmingham, Alabama 35201-1295
Tel: 205.992.5000



December 11, 2009

Docket Nos.: 52-025
52-026

ND-09-2001

10 CFR 2.101
10 CFR 52.75

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
Submittal No. 5

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. These new reactors are designated Vogtle Electric Generating Plant (VEGP) Units 3 and 4, and will be located on the existing VEGP site in Burke County, Georgia. The application was submitted in accordance with the requirements contained in 10 CFR 52, "Licenses, Certifications and Approvals for Nuclear Power Plants," and the associated material licenses under 10 CFR 30, 40, and 70. On May 30, 2008, the NRC notified SNC of its acceptance of the VEGP Units 3 and 4 COL Application and commencement of its detailed technical/environmental review of the application. This letter provides updates to the VEGP Units 3 and 4 COL Application required by 10 CFR 50.71(e)(3)(iii) and 10 CFR Part 52, Appendix D, Subsections X.B.1 and X.B.3.b. This update includes the annual update of the docketed Final Safety Analysis Report and the semi-annual update of the Departures Report (COL Application, Part 2 and Part 7, respectively). Additionally, Parts 1, 5, 7, and 10 of the COL Application are also updated. Revisions to the COL Application are identified by change bars positioned in the right hand margin for text, tables and figures.

This application revision incorporates by reference Appendix D to 10 CFR 52 and the Westinghouse Electric Company's (Westinghouse's) application for amendment to portions of the AP1000 Design Control Document (DCD) Revision 17 (submitted September 22, 2008). This application revision also references the Vogtle Early Site Permit (ESP) Application, Revision 5, dated December 23, 2008. The Early Site Permit and Limited Work Authorization (ESP-004) was issued by the NRC on August 26, 2009. ESP action items and Permit Conditions identified in that permit have been addressed in this COL Application revision. This update also includes changes identified by previous correspondence,

including responses to requests for additional information (RAIs), from April 9, 2009, through October 31, 2009 for site-specific material and from March 26, 2009, through October 31, 2009 for standard material, as well as various other updates such as miscellaneous errata items, and standard and site-specific changes necessary to reflect the incorporation by reference of some template revisions submitted by the Nuclear Energy Institute (NEI). The changes due to NEI templates are only updated after the final, NRC approved version of the template is issued. Some standard content has been updated in the VEGP Units 3 and 4 COL Application through the errata process described in a Tennessee Valley Authority letter to the NRC dated March 14, 2008. These updates were reviewed and concurred with by the AP1000 Design Centered Working Group (DCWG). Finally, this update includes changes identified in VEGP Units 3 and 4 responses to Bellefonte Units 3 and 4 (initial R-COLA) chapter-based Safety Evaluation Report (SER) standard open items.

This application is composed of several parts. Each of these is identified below along with indication of any revision contained in this document update.

- Part 1 – General and Financial Information (Revision 2, included)
- Part 2 – Final Safety Analysis Report (FSAR) (Revision 2, included)
- Part 3 – Environmental Report (ER) (Revision 1)
- Part 4 – Technical Specifications (Revision 1)
- Part 5 – Emergency Plan (EP) (Revision 2, included)
- Part 6 – LWA Request (Revision 1)
- Part 7 – Departures, Exemptions and Variances (Revision 2, included)
- Part 8 – Safeguards/Security Plans (Revision 1)
- Part 9 – Withheld Information (Revision 1)
- Part 10 – Proposed License Conditions (Including ITAAC) (Revision 2, included)
- Part 11 – Enclosures (Revision 1)

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

Part 1 of this application revision contains a limited amount of proprietary information that was provided with Revision 0 of the COL Application in separate SNC letter AR-08-0436 dated March 28, 2008, and has not changed in this revision. Part 1 has been revised to update decommissioning cost estimates.

Part 2 has been revised as described above to reflect changes due to site-specific and standard RAI responses, Revision 17 of the DCD, NEI Template revisions, and miscellaneous errata.

Part 5 has been revised to include new and additional information in the Emergency Plan, primarily to reflect changes due to site-specific RAI responses.

Part 7 of this application revision contains requests for certain exemptions, departures from the referenced DCD, and variances from the referenced ESP Application Site Safety Analysis Report (SSAR). This part is updated to include minor editorial corrections.

Part 10 of this application revision includes a listing of ITAAC beyond those identified in Tier 1 of the AP1000 DCD, as well as proposed License Conditions. This part is updated primarily to reflect changes due to standard RAI responses.

Certain portions of the new 10 CFR 73 rule package, such as cyber security, and 10 CFR 52.80(d) are not reflected in this update due to ongoing interactions with the NRC concerning guidance and standard information being developed in coordination with NEI. An update is expected to be provided in the future to reflect responses to NRC RAIs and the associated revisions to the corresponding documents.

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 application 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.

A set of revised application documents (identified above as Revision 2), with the exception of a small portion of Part 1, is provided in electronic file format on the enclosed disk. Appropriate pre-submission checks have been successfully performed on the files 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, 30 copies of the COL Application on DVD disks are being provided to the NRC VEGP COL Project Manager.

The SNC licensing contacts for this application are W. A. Sparkman at (205) 992-5061 or A. G. Aughtman at (205) 992-5805.

Mr. C.R. Pierce states he is the 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

Charles R. Pierce

Sworn to and subscribed before me this 11th day of December, 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 Submittal No. 5

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. D. Williams, Vogtle 3 & 4 Site Support Manager (w/o enclosure)
Mr. J. T. Davis, Vogtle 3 & 4 Site Licensing Manager (w/o enclosure)
Mr. J. M. Giddens, Quality Assurance Project Manager (w/o enclosure)
Mr. T. C. Moorer, Environmental Affairs, Chemistry, and HP Manager (w/o enclosure)
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
Mr. F.M. Akstulewicz, Deputy Director Div. of Safety Systems & Risk Assess. (w/o enclosure)
Mr. R. G. Joshi, Lead Project Manager of New Reactors (with 30 enclosure DVDs)
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)
Ms. S. Goetz, Project Manager of New Reactors (w/o enclosure)
Mr. J. M. Sebrosky, Project Manager of New Reactors (w/o enclosure)
Mr. D. C. Habib, Project Manager of New Reactors (w/o enclosure)
Mr. C. P. Patel, Project Manager of New Reactors (w/o enclosure)
Ms. D. L. McGovern, Project Manager of New Reactors (w/o enclosure)
Ms. M. A. Sutton, Environmental Project Manager (w/o enclosure)
Mr. M. D. Notich, Environmental Project Manager (w/o enclosure)
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/public enclosure)

Oglethorpe Power Corporation

Mr. M. W. Price, Executive Vice President and Chief Operating Officer (w/public enclosure)
Mr. K. T. Haynes, Director of Contracts and Regulatory Oversight (w/public enclosure)

Municipal Electric Authority of Georgia

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

Dalton Utilities

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

Burke County Chief Executive

Mr. James M. Dixon, Chairman, Burke County Board of Commissioners (w/public enclosure)

Bechtel Power Corporation

Mr. J. S. Prebula, Project Engineer (w/o enclosure)

Mr. R. W. Prunty, Licensing Engineer (w/non-public enclosure)

Tetra Tech NUS, Inc.

Ms. K. K. Patterson, Project Manager (w/non-public enclosure)

Shaw Stone & Webster, Inc.

Mr. K. B. Allison, Project Manager (w/o enclosure)

Mr. J. M. Oddo, Licensing Manager (w/non-public enclosure)

Mr. D. C. Shutt, Licensing Engineer (w/non-public enclosure)

Westinghouse Electric Company, LLC

Mr. W. E. Cummins, Vice President of Regulatory Affairs & Standardization (w/o enclosure)

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

Mr. S. A. Bradley, Vogtle Project Licensing Manager (w/non-public enclosure)

Mr. R. B. Sisk, Manager, AP1000 Licensing and Customer Interface (w/non-public encl.)

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

Mr. D. A. Lindgren, Principal Engineer, AP1000 Licensing and Customer Interface (w/non-public enclosure)

NuStart Energy

Mr. R. J. Grumbir (w/non-public enclosure)

Mr. E. R. Grant (w/non-public enclosure)

Mr. B. Hirmanpour (w/non-public enclosure)

Mr. N. Haggerty (w/non-public enclosure)

Ms. K. N. Slays (w/non-public enclosure)

Other NuStart Energy Associates

Ms. M. C. Kray, NuStart (w/public enclosure)

Mr. S. P. Frantz, Morgan Lewis (w/public enclosure)

Mr. P. S. Hastings, NuStart & Duke Energy (w/non-public enclosure)

Mr. J. A. Bailey, TVA (w/non-public enclosure)

Ms. A. L. Sterdis, TVA (w/non-public enclosure)

Mr. J. P. Berger, EDF (w/public enclosure)

Mr. M. W. Gettler, FP&L (w/non-public enclosure)

Mr. P. Hinnenkamp, Entergy (w/public enclosure)

Mr. G. D. Miller, PG&N (w/non-public enclosure)

Mr. M. C. Nolan, Duke Energy (w/non-public enclosure)

Mr. N. T. Simms, Duke Energy (w/non-public enclosure)

Mr. G. A. Zinke, NuStart & Entergy (w/public enclosure)

Mr. R. H. Kitchen, PGN (w/non-public enclosure)

Ms. A. M. Monroe, SCE&G (w/non-public enclosure)

Mr. T. Beville, DOE/PM (w/public enclosure)

Southern Nuclear Operating Company

ND-09-2001

Enclosure

Vogtle Electric Generating Plant Units 3 and 4

COL Application

Submittal No. 5

Contact

Name Wes Sparkman
Mailing Address 42 Inverness Center Parkway
Bin B237
Birmingham, AL 35242
E-Mail Address wasparkm@southernco.com
Phone Number 205-992-5061

Document Components:

One DVD is included in this submission enclosure and it is labeled "Vogle Electric Generating Plant, Units 3 and 4 COL Application - Submittal No. 5, ND-09-2001 Enclosure." The contents of the DVD are specified on the packing slip for the DVD.

NOTE: Part 9 of the COL Application contains Sensitive Unclassified Non-Safeguards Information (SUNSI) — Withhold Under 10 CFR 2.390(d).