

Southern Nuclear
Operating Company, Inc.
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Birmingham, Alabama 35242

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MAR 16 2011



Docket Nos.: 52-025
52-026

ND-11-0494

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
Special Nuclear Material Physical Protection Program Description

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. By letter dated November 23, 2010, SNC provided a response to RAI Letter No. 064 concerning the applicant's program for material control and accounting (MC&A) of special nuclear material (SNM). As a result of the NRC's detailed review of this application, the NRC staff asked the applicant to clarify their plans regarding the protection of new fuel as SNM at the VEGP Units 3 and 4 plant site prior to declaration of an operational protected area and implementation of the requirements of 10 CFR 73.55, as described in the SNM MC&A Program description. In response to the staff's question, SNC developed a Special Nuclear Material Physical Protection Program (SNMPPP) description that provides the 10 CFR Part 70 licensing basis applicable to implementing the §73.67(d), (e), (f), and (g) requirements between the time period beginning with the receipt of SNM and ending with the declaration of an operational protected area. The NRC staff reviewed a draft version of the SNMPPP description and identified a need for additional information regarding this draft program description. This letter provides the revised SNMPPP description and the SNC responses to the requests for additional information (RAIs) that were received on March 7 and March 10, 2011, and officially transmitted to the applicant in RAI Letter No. 065 on March 14, 2011.

Enclosure 1 to this letter provides the applicant's response to the staff's RAIs. Enclosure 2 provides Revision 0 to the SNMPPP Description, which will be included in COLA Part 8, Safeguards/Security Plans. Enclosure 3 provides the results of the Critical Target Area review that was performed in response to RAI 13.06-37-RAI-09. Enclosure 4 provides the non-redacted version of the RAI 13.06-37-RAI-09, which contains Safeguards Information

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non-redacted version of the RAI 13.06-37-RAI-09, which contains Safeguards Information (SGI). Additional non-SGI COLA changes regarding the SNMPPP were provided in an SNC letter dated March 3, 2011.

Enclosure 1 to this letter contains Security-Related Information (SRI) and should be withheld from public disclosure in accordance with 10 CFR 2.390(d). Enclosures 2, 3, and 4 to this letter contain Safeguards Information (SGI) and should be withheld from public disclosure in accordance with 10 CFR 73.21.

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

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

C. R. Pierce

Sworn to and subscribed before me this 16th day of March, 2011

Notary Public: Dana Marie Williams

My commission expires: December 1, 2014

CRP/DMW

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

- Enclosures:
1. Response to Requests for Additional Information Letter No. 065
[Note: Contains SECURITY-RELATED INFORMATION]
 2. Special Nuclear Material (SNM) Physical Protection Program Description
[Note: Contains SAFEGUARDS INFORMATION]
 3. Critical Target Area (CTA) Review Results
[Note: Contains SAFEGUARDS INFORMATION]
 4. Special Nuclear Material (SNM) Physical Protection Program Request for Additional Information (RAI) Number 13.06-37-RAI-09
[Note: Contains SAFEGUARDS INFORMATION]

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cc: Southern Nuclear Operating Company

Mr. J. H. Miller, III, President and CEO (w/o enclosures)
Mr. J. A. Miller, Executive Vice President, Nuclear Development (w/o enclosures)
Mr. J. T. Gasser, Executive Vice President, Nuclear Operations (w/o enclosures)
Mr. D. H. Jones, Site Vice President, Vogtle 3 & 4 (w/o enclosures)
Mr. B. L. Ivey, Vice President, Nuclear Development Support (w/o enclosures)
Mr. J. R. Johnson, Vice President, AP1000 Quality & Compliance (w/o enclosures)
Mr. T. E. Tynan, Vice President - Vogtle (w/o enclosures)
Mr. M. K. Smith, Technical Support Director (w/o enclosures)
Mr. D. M. Lloyd, Vogtle 3 & 4 Project Support Director (w/o enclosures)
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Mr. T. C. Moorer, Manager, Environmental Affairs, Chemistry and Rad. Services (w/o encls)
Mr. J. D. Williams, Vogtle 3 & 4 Site Support Manager (w/o enclosures)
Mr. J. T. Davis, Vogtle 3 & 4 Site Licensing Supervisor (w/o enclosures)
Mr. W. A. Sparkman, COL Project Engineer (w/o enclosures 2, 3 & 4)
Ms. A. G. Aughtman, Lead AP1000 Licensing Project Engineer (w/o enclosures)
Document Services RTYPE: COR0507-03
File AR.01.02.06

Nuclear Regulatory Commission

Mr. V. M. McCree, Region II Administrator (w/o enclosures)
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Ms. T. E. Simms, Project Manager of New Reactors (w/o enclosures)
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Ms. M. A. Sutton, Environmental Project Manager (w/o enclosures)
Mr. M. D. Notich, Environmental Project Manager (w/o enclosures)
Mr. L. M. Cain, Senior Resident Inspector of VEGP 1 & 2 (w/o enclosures)
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Georgia Power Company

Mr. T. W. Yelverton, Nuclear Development Director (w/o enclosures)
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Mr. M. W. Price, Executive Vice President and Chief Operating Officer (w/o enclosures)
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Municipal Electric Authority of Georgia

Mr. J. E. Fuller, Senior Vice President, Chief Financial Officer (w/o enclosures)
Mr. S. M. Jackson, Vice President, Power Supply (w/o enclosures)

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Dalton Utilities

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

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Mr. E. C. Wenzinger, Licensing Engineer, Vogtle Units 3 & 4 (w/o enclosures)

Westinghouse Electric Company, LLC

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Mr. S. A. Bradley, Vogtle Project Licensing Manager (w/o enclosures)
Mr. M. A. Melton, Manager, Regulatory Interfaces (w/o enclosures)
Mr. D. A. Lindgren, Principal Engineer, AP1000 Licensing and Cust. Interface (w/o encls)

NuStart Energy

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Other NuStart Energy Associates

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