

Charles R. Pierce
Regulatory Affairs Director

Southern Nuclear
Operating Company, Inc.
40 Inverness Center Parkway
Post Office Box 1295
Birmingham, AL 35242
Tel 205.992.7872
Fax 205.992.7601



August 31, 2015

NL-15-1392
10 CFR 50.90

Docket Nos.: 50-321 50-348 50-424 52-025
50-366 50-364 50-425 52-026

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Southern Nuclear Operating Company
Joseph M. Farley Nuclear Plant Units 1 and 2;
Edwin I. Hatch Nuclear Plant Units 1 and 2;
Vogtle Electric Generating Plant Units 1 and 2;
Vogtle Electric Generating Plant Units 3 and 4
Standard Emergency Plan

Ladies and Gentlemen:

Pursuant to 10 CFR 50.90, Southern Nuclear Operating Company (SNC) requests amendments to the licenses for the plants listed above.

Specifically, the proposed changes would revise each plant's license in order to adopt a fleet SNC Standard Emergency Plan (SEP) that includes site-specific Annexes. The SEP establishes an updated licensing basis for the SNC operating plants that complies with current NRC regulations in 10 CFR 50.47, 10 CFR 50 Appendix E, and NRC-generated guidance in NUREG-0654/FEMA-REP-1 Revision 1.

In addition, SNC, the licensee for Vogtle Electric Generating Plant (VEGP) Units 3 and 4, requests an amendment to the Combined Licenses (COLs) for VEGP Units 3 and 4 to address conforming changes to emergency planning inspections, tests, analyses, and acceptance criteria (ITAAC) resulting from the proposed changes.

By standardizing emergency plans, SNC will make improvements to the fleet by increasing consistency of organizations, duties and responsibilities, procedures, and training. SNC also will align the plants using consistent standards and definitions.

Among the more notable proposed changes are a) adoption of a standard staff augmentation time period of 75 minutes from time of declaration of an Alert or higher Emergency Classification, b) changes in staffing numbers, c) changes in staffing duties, and d) consolidation of the Joint Information Center. Although SNC has implemented significant improvements in overall staffing, procedures, training, and technology since the NRC's initial approval of the operating plant

AX45
D092
NRR
NRO

emergency plans, SNC has conservatively evaluated the proposed changes as reductions in effectiveness requiring NRC approval per 10 CFR 50.54(q).

SNC has consulted with the appropriate state and county officials from Alabama, Georgia, and South Carolina and has received their support for the SEP.

Due to the size, nature, and scope of this license amendment request (LAR), SNC met with the NRC staff to discuss this submittal and to exchange information on technical issues related to these changes in the emergency plan. The nineteen enclosures provide the SNC Standard Emergency Plan and Annexes, which follow, to the extent practical, the standard LAR format outlined in the NEI 06-02 guidelines. These enclosures also provide the justifications for the changes and other information needed for this submittal.

SNC requests NRC approval and a Safety Evaluation Report (SER) within eighteen months to fully update the licensing basis for adoption of the SNC Standard Emergency Plan. Upon NRC approval, SNC requests a coordinated effort with the NRC to schedule implementation of the associated changes.

In accordance with 10 CFR 50.91, SNC is notifying the states of Georgia and Alabama of this LAR by transmitting a copy of this letter and enclosures to the designated state official.

This letter contains no new regulatory commitments. If you have any questions, please contact Ken McElroy at (205) 992-7369.

Mr. C. R. Pierce states he is the Regulatory Affairs Director for 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,

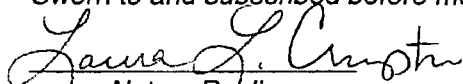
SOUTHERN NUCLEAR OPERATING COMPANY



C. R. Pierce
Regulatory Affairs Director

CRP/EFB/cg

Sworn to and subscribed before me this 31 day of August, 2015.



Laura L. Croston
Notary Public

My commission expires: 10-8-2017

Enclosures:

1. Evaluation of the Proposed Changes - LAR for the Adoption of a Standard Emergency Plan for the SNC Fleet.
2. SNC Standard Emergency Plan.
3. Corporate Joint Information Center Staffing - Detailed Description and Technical Evaluation.
4. Farley Staffing - Detailed Description and Technical Evaluation.
5. Farley Standard Emergency Plan Annex.
6. Farley Justification Matrix.
7. Hatch Staffing - Detailed Description and Technical Evaluation.
8. Hatch Standard Emergency Plan Annex.
9. Hatch Justification Matrix.
10. Vogtle (Units 1 and 2) Staffing - Detailed Description and Technical Evaluation.
11. Vogtle (Units 1 and 2) Standard Emergency Plan Annex.
12. Vogtle (Units 1 and 2) Justification Matrix.
13. Vogtle (Units 3 and 4) Staffing - Detailed Description and Technical Evaluation.
14. Vogtle (Units 3 and 4) Standard Emergency Plan Annex.
15. Vogtle (Units 3 and 4) Justification Matrix.
16. Evaluation of Proposed Changes – LAR for the Revision to Vogtle 3 and 4 Emergency Planning ITAAC.
17. Vogtle (Units 3 and 4) Revision to Unit 3 COL Appendix C – Proposed Changes – Markups.
18. Vogtle (Units 3 and 4) Revision to Unit 4 COL Appendix C – Proposed Changes – Markups.
19. Off-site Response Organizations – Letters of Consultation and Concurrence .

cc: Mr. W. M. Dean, Director of the Office of Nuclear Reactor Regulations
Mr. V. M. McCree, Regional Administrator
Mr. L. D. Wert, Regional Administrator (Acting)
Mr. M. Delligatti, Deputy Division Director, DNRL
Mr. L. Burkhardt, Branch Chief, LB4, DNRL
Mr. M. E. Ernestes, Branch Chief, DRP, RII
Mr. R. E. Martin, NRR Senior Project Manager – Hatch & Vogtle 1 & 2
Mr. S. A. Williams, NRR Project Manager - Farley
Mr. C. Patel, NRO Project Manager - Vogtle 3 & 4
Mr. P. Kallan, Senior Project Manager – Vogtle 3 & 4
Ms. D. L. McGovern, Senior Project Manager – Vogtle 3 & 4
Mr. B. M. Bovol, Project Manager – Vogtle 3 & 4
Ms. R. Reyes, Project Manager – Vogtle 3 & 4
Ms. M. A. Sutton, Project Manager – Vogtle 3 & 4
Mr. G. Khouri, Senior Project Inspector – Vogtle 3 & 4
Mr. D. H. Hardage, Senior Resident Inspector – Hatch
Mr. L. M. Cain, Senior Resident Inspector- Vogtle 1 & 2
Mr. P. K. Niebaum, Senior Resident Inspector- Farley

U. S. Nuclear Regulatory Commission

NL-15-1392

Page 4

Mr. J. D. Fuller, Senior Resident Inspector, Vogtle 3 & 4
Mr. C. B. Abbott, Resident Inspector – Vogtle 3 & 4
Ms. S. Temple, Resident Inspector – Vogtle 3 & 4
Mr. I. A. Anchondo, Resident Inspector – Vogtle 3 & 4

Alabama Department of Public Health

Dr. D. E. Williamson, State Health Officer

State of Georgia

Mr. J. H. Turner, Director- Environmental Protection Division

Blind Copy List (without enclosures unless noted):

Southern Nuclear Operating Company

Mr. S. E. Kuczynski, Chairman, President & CEO
Mr. J. A. Miller, President, Southern Nuclear Development
Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer
Mr. J. T. Gasser, Executive V.P. Operational Readiness – Vogtle 1-4
Mr. M. D. Rauckhorst, Construction V.P. – Vogtle 3-4
Mr. D. H. Jones, Vice President Technical Compliance – Vogtle 3-4
Ms. K. D. Fiji – Vice President - Operational Readiness
Ms. C. A. Gayheart, Vice President - Farley
Mr. D. R. Vineyard, Vice President – Hatch
Mr. B. K. Taber, Vice President – Vogtle 1-2
Mr. D. R. Madison, Vice President – Fleet Operations
Mr. M. D. Meier, Vice President – Regulatory Affairs
Mr. B. J. Adams, Vice President – Engineering
Mr. C. R. Pierce, Regulatory Affairs Director - Fleet
Mr. B. H. Whitley, Regulatory Affairs Director – Nuclear Development
Mr. M. J. Yox, Regulatory Affairs Director – Vogtle 3-4
Ms. B. L. Taylor, Regulatory Affairs Manager – Farley
Mr. G. L. Johnson, Regulatory Affairs Manager – Hatch
Mr. G. W. Gunn, Regulatory Affairs Manager – Vogtle 1-2
Mr. W. A. Sparkman, Licensing Manager – Nuclear Development
Mr. T. W. Yelverton – Commercial Director - Vogtle 3-4
Mr. D. L. Fulton – Nuclear Development Environmental Manager
Mr. J. C. Harrelson – Project Manager
Mr. T. R. Takats – Engineering Supervisor
Mr. J. P. Redd – Licensing Supervisor
Mr. J. G. Hall – Emergency Preparedness Supervisor
RTYPEs: CFA04.054; CHA02.004; CVC7000; VND.LI.L00 (w/enclosures)
File AR.01.02.06 (w/enclosures)

Oglethorpe Power Corporation

Mr. M. W. Price
Mr. Ms. K. T. Haynes
Ms. A. Whaley

Municipal Electric Authority of Georgia

Mr. J. E. Fuller
Mr. S. M. Jackson

Dalton Utilities

Mr. D. Cope

CB&I

Mr. J. Simmons
Ms. K. Stoner
Mr. C. A. Castell

Westinghouse Electric Company, LLC

Mr. R. Easterling
Mr. J. W. Crenshaw
Mr. C. D. Churchman
Mr. L. Woodcock
Mr. P. A. Russ
Mr. G. F. Couture
Mr. M. Y. Shaqqo

Other

Mr. J. E. Hesler, Bechtel Power Corporation
Ms. L. A. Matis, Tetra Tech NUS, Inc.
Dr. W. R. Jacobs, Jr., Ph.D., GDS Associates, Inc.
Mr. S. Roetger, Georgia Public Service Commission
Ms. S. W. Kernizan, Georgia Public Service Commission
Mr. K. C. Greene, Troutman Sanders
Mr. S. Blanton, Balch Bingham
Mr. R. Grumbir, APOG
Ms. A. Rice
Mr. J. R. Bouknight, South Carolina Electric & Gas Company
Mr. D. Kersey, South Carolina Electric & Gas Company
Mr. B. Kitchen, Duke Energy
Mr. S. Franzone, Florida Power & Light