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Vice President

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September 12, 2003

Docket Nos.: 50-348  
50-364

NL-03-1657

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

**Joseph M. Farley Nuclear Plant**  
**Application for License Renewal**

Ladies and Gentlemen:

In accordance with the requirements of 10 CFR 54, Southern Nuclear Operating Company (SNC), acting for itself and as agent for Alabama Power Company, hereby applies for the renewal of the operating licenses for the Joseph M. Farley Nuclear Plant, Units 1 and 2. The current license for Unit 1 (Facility Operating License No. NPF-2) expires on June 25, 2017, and the license for Unit 2 (Facility Operating License No. NPF-8) expires on March 31, 2021. By this license renewal application, SNC seeks to extend the term of each operating license by 20 years beyond the current expiration dates.

This application contains the information required by the Commission's license renewal regulations that are set forth in 10 CFR 54.19, 54.21, 54.22, and 54.23. The application provides information to support the 10 CFR 54.29 findings required to issue the renewed licenses sought by this application. In addition, it satisfies the environmental regulations set forth in 10 CFR Part 51.

The application has been prepared in a format compatible with NUREG-1800, *Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants*, issued July, 2001, and in accordance with the "Class of 2003" Standard License Renewal Application Format. NUREG-1801, *Generic Aging Lessons Learned (GALL) Report*, published July, 2001, is referenced in the application. In addition, SNC utilized guidance provided in NEI 95-10, *Industry Guideline for Implementing the Requirements of 10 CFR 54 - The License Renewal Rule*, Rev. 3.

The technical information relating to plant design contained in this application is complete and accurate as of April 1, 2003. Any changes to plant design that occur after this date will be considered in the annual application updates provided in accordance with 10 CFR 54.21(b).

The CD-ROM version of the application contains the license renewal application, a set of associated boundary drawings, and the Updated Final Safety Analysis Report (Revision 17) for Farley Nuclear Plant, Units 1 and 2. The CD-ROM version of the application

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contains hyperlinks both within and between these materials to aid the NRC in the review of the application. The boundary drawings are being submitted to aid in the review of the application, and are not part of the application.

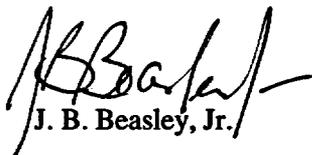
By NRC request, SNC is submitting to the Document Control Desk the original signed paper application, three additional paper copies, four paper sets of boundary drawings, 80 application CDs, and one application CD for posting on the NRC website. Other copies of the application are also being distributed as shown on the service list. SNC has elected to apply RIS 2001-05 which provides for the distribution of electronic copies in lieu of paper copies.

Mr. J. B. Beasley, Jr. states he is a Vice President 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.

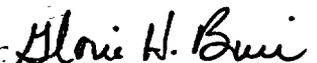
If you have any questions, please contact Charles Pierce at 205-992-7872.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY

  
J. B. Beasley, Jr.

Sworn to and subscribed before me this 12<sup>th</sup> day of September, 2003.

  
Alois H. Bui  
Notary Public

My commission expires: 6-7-05

JBB/JAM/sdl

Enclosures: License Renewal Application for Joseph M. Farley Nuclear Plant,  
Units 1 and 2  
Boundary Drawings  
Compact Disc of Application and Associated Material  
Compact Disc of Application for Web Posting

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cc: Southern Nuclear Operating Company  
Mr. J. D. Woodard, Executive Vice President  
Mr. D. E. Grissette, General Manager – Plant Farley (w/ 1 Application CD)  
Document Services RTYPE: CFA04.054; LC# 13825 (w/ 1 Application CD)

U. S. Nuclear Regulatory Commission  
Mr. R. William Borchardt, Acting Director – NRR (w/ 1 Application CD)  
Mr. L. A. Reyes, Regional Administrator (w/ 1 Application paper copy, 1  
Application CD and 1 set of boundary drawings)  
Mr. F. Rinaldi, NRR Project Manager – Farley (w/ 1 Application CD)  
Mr. T. P. Johnson, Senior Resident Inspector – Farley (w/ 1 Application CD)

Alabama Department of Public Health  
Dr. D. E. Williamson, State Health Officer (w/ 1 Application CD)

Local Libraries  
Houston Love Memorial Library (w/ 1 Application CD and 1 Application paper  
copy)

Mayors and County Agents  
Mr. B. Alloway, Mayor, City of Ashford (w/ 1 Application CD and 1 Application  
paper copy)  
Mr. O. Smith, Mayor, Town of Gordon (w/ 1 Application CD and 1 Application  
paper copy)  
Mr. J. N. Green, Mayor, Town of Columbia (w/ 1 Application CD and 1  
Application paper copy)  
Mr. A. Howard, Chairman, Early County Commission (w/ 1 Application  
CD and 1 Application paper copy)  
Mr. L. Turner, Chairman, Henry County Commission (w/ 1 Application CD  
and 1 Application paper copy)  
Mr. M. Culver, Chairman, Houston County Commission (w/ 1 Application CD and  
1 Application paper copy)