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Docket No.: 52-011

AR-07-0197

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Early Site Permit Application
Supplemental Information for Response to Requests for Additional Information on Hydrology

Ladies and Gentlemen:

By letter dated December 27, 2006, Southern Nuclear Operating Company (SNC) responded to a U.S. Nuclear Regulatory Commission (NRC) request for additional information (RAI) on Section 2.4, *Hydrologic Engineering*, of the Site Safety Analysis Report (SSAR) portion of the Vogtle Early Site Permit (ESP) application. The submittal letter included a compact disc (CD) with numerous electronic files containing supporting data. However, select files provided on the CD did not meet NRC electronic submittal criteria. Hence, SNC is providing supplemental information in Enclosures 1 through 3 to this letter that replaces those files which did not meet the NRC criteria, in either hard-copy or acceptable electronic format.

The SNC contact for this RAI response letter is J. T. Davis at (205) 992-7692.

DO78

Mr. J. A. (Buzz) Miller 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.

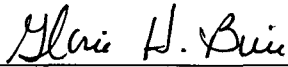
Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY



Joseph A. (Buzz) Miller

Sworn to and subscribed before me this 13th day of February, 2007



Notary Public

My commission expires: 05/06/08

JAM/BJS/dmw

Enclosures:

1. List of RAI # 2.4.1-1 Response Data Files
2. Hard-Copy Data
3. Converted RAI # 2.4.1-1 Response Data Files (CD)

cc: Southern Nuclear Operating Company

Mr. J. B. Beasley, Jr., President and CEO (w/o enclosures)
Mr. J. T. Gasser, Executive Vice President, Nuclear Operations (w/o enclosures)
Mr. T. E. Tynan, Vice President - Vogtle (w/o enclosures)
Mr. D. M. Lloyd, Vogtle Deployment Director (w/o enclosures)
Mr. C. R. Pierce, Vogtle Development Licensing Manager (w/o enclosures)
Document Services RTYPE: AR01
File AR.01.01.06

Nuclear Regulatory Commission

Mr. R. W. Borchardt, Director of Office of Nuclear Regulation (w/o enclosures)
Mr. W. D. Travers, Region II Administrator (w/o enclosures)
Mr. D. B. Matthews, Director of New Reactors (w/o enclosures)
Ms. S. M. Coffin, AP1000 Manager of New Reactors (w/o enclosures)
Mr. C. J. Araguas, Project Manager of New Reactors
Mr. M. D. Notich, Environmental Project Manager (w/o enclosures)
Mr. G. J. McCoy, Senior Resident Inspector of VEGP (w/o enclosures)

Georgia Power Company

Mr. O. C. Harper, Vice President, Resource Planning and Nuclear Development (w/o enclosure)

Oglethorpe Power Corporation

Mr. M. W. Price, Chief Operating Officer (w/o enclosure)

Municipal Electric Authority of Georgia

Mr. C. B. Manning, Senior Vice President and Chief Operating Officer (w/o enclosure)

Dalton Utilities

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

Bechtel Power Corporation

Mr. J. S. Prebula, Project Engineer (w/o enclosures)
Mr. R. W. Prunty, Licensing Engineer (w/o enclosures)