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**SEP 22 2006**

Docket No.: 52-011

AR-06-1943

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

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Early Site Permit Application  
Additional Meteorological Data Transmittal

Ladies and Gentlemen:

In letter AR-06-1579, dated August 14, 2006, Southern Nuclear Operating Company (SNC) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) requesting an Early Site Permit (ESP) for two additional reactors at the Vogtle Electric Generating Plant (VEGP) site near Waynesboro, Georgia. The application was submitted in accordance with Part 52, Subpart A of Title 10 of the Code of Federal Regulations. Based on subsequent discussions with the NRC regarding ESP Application Site Safety Analysis Report, Section 2.3, *Meteorology*, SNC is submitting additional site meteorological data to assist in the review of this section. The additional data is provided on two differently formatted enclosed compact discs (CDs). The Enclosure 1 CD is formatted to comply with the NRC's "E-Rule," Appendix A, *Guidance for Electronic Submissions to the Commission*. The Enclosure 2 CD is formatted to NRC Review Standard RS-002, *Processing Applications for Early Site Permits*, Section 2.3.3, Appendix A guidance. Enclosure 1 and 2 description forms included in this letter identify document components and contact information for each enclosed CD.

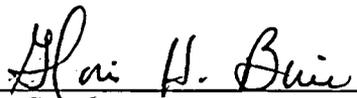
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If you have any questions regarding this letter, please contact Mr. J. T. Davis at (205) 992-7692.  
Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY

  
Joseph A. (Buzz) Miller

Sworn to and subscribed before me this 22 day of September, 2006

  
Glori H. Buis  
Notary Public

JAM/BJS/dmw

Enclosures (2)

cc: Southern Nuclear Operating Company

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

Nuclear Regulatory Commission

Mr. J. E. Dyer, Director of Office of Nuclear Regulation (w/o CDs)  
Mr. W. D. Travers, Region II Administrator (w/o CDs)  
Mr. D. B. Matthews, Director of New Reactors (w/o CDs)  
Ms. S. M. Coffin, AP1000 Manager of New Reactors (w/o CDs)  
Mr. C. J. Araguas, Project Manager of New Reactors (Enclosure 2 CDs, 5 copies)  
Mr. M. C. Nolan, Branch Chief of New Reactors Environmental Projects (w/o CDs)  
Mr. M. D. Notich, Environmental Project Manager (w/o CDs)  
Mr. G. J. McCoy, Senior Resident Inspector of VEGP (w/o CDs)

Georgia Power Company

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

Oglethorpe Power Corporation

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

Municipal Electric Authority of Georgia

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

Dalton Utilities

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

# Southern Nuclear Operating Company

AR-06-1943

Enclosure 1

## Description Form

### Contact Person

**Name:** Jim T. Davis  
**Mailing Address:** Southern Nuclear Operating Company  
Bin B056  
40 Inverness Center Parkway  
Birmingham, AL 35242  
**E-Mail Address:** [jtdavis@southernco.com](mailto:jtdavis@southernco.com)  
**Phone Number:** 205-992-7692

### Document Components:

Additional site meteorological data is contained on one (1) "Enclosure 1" CD-ROM, formatted to comply with the NRC's "E-Rule," Appendix A, *Guidance for Electronic Submissions to the Commission*. The CD, labeled "*Vogtle ESP Application Additional Meteorological Data Enclosure 1*," contains five (5) files as follows:

File No.	File Title	No. of Bytes	Publicly Available
001	1998 Met Data.pdf	306,545	Yes
002	1999 Met Data.pdf	307,183	Yes
003	2000 Met Data.pdf	305,133	Yes
004	2001 Met Data.pdf	297,615	Yes
005	2002 Met Data.pdf	301,681	Yes

# Southern Nuclear Operating Company

AR-06-1943

Enclosure 2

## Description Form

### Contact Person

**Name:** Jim T. Davis  
**Mailing Address:** Southern Nuclear Operating Company  
Bin B056  
40 Inverness Center Parkway  
Birmingham, AL 35242  
**E-Mail Address:** [jtdavis@southernco.com](mailto:jtdavis@southernco.com)  
**Phone Number:** 205-992-7692

### Document Components:

Additional site meteorological data is contained on each "Enclosure 2" CD, formatted to comply with NRC Review Standard RS-002, *Processing Applications for Early Site Permits*, Section 2.3.3, Appendix A guidance. The CDs, labeled "*Vogtle ESP Application Additional Meteorological Data, Enclosure 2*" contains five (5) files as follows:

File No.	File Title	No. of Bytes	Publicly Available
001	1998 Met Data.txt	1,244,210	Yes
002	1999 Met Data.txt	1,244,210	Yes
003	2000 Met Data.txt	1,247,618	Yes
004	2001 Met Data.txt	1,244,210	Yes
005	2002 Met Data.txt	1,244,210	Yes