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Docket No.: 52-011

AR-07-1463

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

Southern Nuclear Operating Company  
Vogtle Early Site Permit Application  
Environmental Computer Code Input and Output Files

Ladies and Gentlemen:

During recent review of the Southern Nuclear (SNC) Vogtle Early Site Permit (ESP) application and supporting documentation, the NRC contractor (PNNL) noted discrepancies in certain input and output data files for computer models used in the environmental radiological analysis. Specifically, problems were noted with files used in support of computer codes GASPARG, LADTAP, XOQDOQ, and MACCS2. PNNL indicated during recent conference calls that certain files in GASPARG, LADTAP, and XOQDOQ were suspect, but they could not specifically identify the problem. They requested that SNC replace the existing files to ensure the most current versions were being used. In order to expedite resolution, SNC agreed to provide duplicate copies of all files supporting GASPARG, LADTAP, and XOQDOQ. The duplicate input and output data files for computer codes GASPARG, LADTAP, and XOQDOQ are contained on compact disc (CD) in Enclosure 1.

The issue associated with MACCS2 is more complex. In a conference call with PNNL, NRC, SNC, and Tetra-Tech, SNC's contractor for the Environmental Report (ER), it was determined that input files supporting MACCS2 contained assumptions and information that did not accurately characterize the full range of parameters needed to produce the desired MACCS2 output. Upon identifying the problem, SNC agreed to correct the information and provide modified files to PNNL. These files were provided to NRC and PNNL by e-mail dated July 16, 2007. The modified input and output data files for the MACCS2 computer code are contained on CD in Enclosure 2.

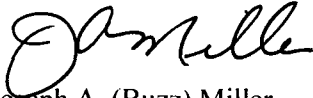
The SNC contact for this information letter is T. C. Moorer at (205) 992-5807.

D078  
MRO

Mr. J. A. (Buzz) Miller states he is a Senior 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.

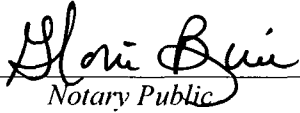
Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY



Joseph A. (Buzz) Miller

Sworn to and subscribed before me this 31 day of July, 2007

  
Notary Public

My commission expires: 05/06/08

JAM/BJS/dmw

- Enclosures:
1. Vogtle ESP Application – Input and Output Data Files for GASPAR, LADTAP, and XOQDOQ Computer Codes
  2. Vogtle ESP Application - Modified Input and Output Data Files for MACCS2 Computer Code

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)  
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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 (w/o enclosures)  
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Mr. M. D. Notich, Environmental Project Manager  
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Mr. C. B. Manning, Senior Vice President and Chief Operating Officer (w/o enclosures)

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

Bechtel Power Corporation

Mr. R. W. Prunty, Licensing Engineer (w/o enclosures)

Tetra Tech NUS, Inc.

Ms. K. K. Patterson, Project Manager (w/o enclosures)

**Southern Nuclear Operating Company**

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**Enclosure 1**

**Vogtle ESP Application -**

**Input and Output Data Files for GASPARG, LADTAP, and XOQDOQ Computer Codes**

**Contact Person**

**Name:** Tom C. Moorerg  
**Mailing Address:** Southern Nuclear Operating Company  
Bin B056  
40 Inverness Center Parkway  
Birmingham, AL 35242  
**E-Mail Address:** [tcmoorerg@southernco.com](mailto:tcmoorerg@southernco.com)  
**Phone Number:** 205-992-5807

**Document Components:**

Unchanged input and output data files for the GASPARG, LADTAP, and XOQDOQ computer codes used to develop the Vogtle ESP Application are contained on one (1) CD-ROM. The CD-ROM is labeled "Duplicate GASPARG, LADTAP & XOQDOQ Computer Code Input and Output Data Files - Publicly Available," and contains 28 files as follows:

<b>File No.</b>	<b>File Title</b>	<b>Publicly Available</b>
001	FILENAM.pdf	Yes
002	FILENAM.TXT	Yes
003	GAS1OUTA.DAT	Yes
004	GAS1XOQA.DAT	Yes
005	GAS2OUTA.DAT	Yes
006	GAS2OUTB.DAT	Yes
007	GAS2OUTC.DAT	Yes
008	GAS2OUTD.DAT	Yes
009	GAS2OUTE.DAT	Yes
010	GAS2OUTF.DAT	Yes
011	GAS2OUTG.DAT	Yes
012	GAS2XOQA.DAT	Yes
013	GAS2XOQB.DAT	Yes
014	GAS2XOQC.DAT	Yes
015	GAS2XOQD.DAT	Yes
016	GAS2XOQE.DAT	Yes

AR-07-1463  
Enclosure 1  
Input / Output Data Files

<b>File No.</b>	<b>File Title</b>	<b>Publicly Available</b>
017	GAS2XOQF.DAT	Yes
018	GAS2XOQG.DAT	Yes
019	GASPVOG1.DAT	Yes
020	GASPVOG2.DAT	Yes
021	LAD3VOG1.DAT	Yes
022	LAD3VOG1.OUT	Yes
023	LADTVOG2.DAT	Yes
024	LADTVOG2.OUT	Yes
025	XOQ1_OUT.DAT	Yes
026	XOQ2_OUT.DAT	Yes
027	XOQVG1R2.DAT	Yes
028	XOQVG2R2.DAT	Yes

**Southern Nuclear Operating Company**

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**Enclosure 2**

**Vogtle ESP Application -**

**Modified Input and Output Data Files for MACCS2 Computer Code**

**Contact Person**

**Name:** Tom C. Moorer  
**Mailing Address:** Southern Nuclear Operating Company  
Bin B056  
40 Inverness Center Parkway  
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**E-Mail Address:** [tcmoorer@southernco.com](mailto:tcmoorer@southernco.com)  
**Phone Number:** 205-992-5807

**Document Components:**

Modified input and output data files for the MACCS2 computer code used to develop the Vogtle ESP Application are contained on one (1) CD-ROM. The CD-ROM is labeled "Modified MACCS2 Computer Code Input and Output Data Files - Publicly Available," and contains seven (7) files as follows:

<b>File No.</b>	<b>File Title</b>	<b>Publicly Available</b>
001	VATMOS.INP	Yes
002	VCHRONC.INP	Yes
003	VEARLY.INP	Yes
004	VMET.INP	Yes
005	VOUT.pdf	Yes
006	VOUT.TXT	Yes
007	VSITE.INP	Yes