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APR 20 2007

Docket No.: 52-011

AR-07-0857

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

Southern Nuclear Operating Company
Vogtle Early Site Permit Application
Submittal of SACTI and MACCS2 Code Input/Output Files

Ladies and Gentlemen:

By letter dated December 29, 2006, the U.S. Nuclear Regulatory Commission (NRC) provided Southern Nuclear Operating Company (SNC) with requests for additional information (RAIs) on the Environmental Report portion of the Vogtle Early Site Permit (ESP) Application. SNC responded to these RAIs in letter AR-07-0061, dated January 30, 2007. In this response, SNC indicated it would not provide output files requested by NRC for certain model runs because "it is SNC's practice not to provide internal design/evaluation calculation packages or analysis output files for posting on the docket." In a subsequent discussion with NRC management in early April regarding this issue, SNC agreed to provide supporting documentation including output files consistent with the information provided by the other ESP applicants. SNC provided the following information in response to the NRC request:

Code/Data	SNC Letter No.	Letter Date
GASPAR	AR-07-0401	March 16, 2007
LADTAP	AR-07-0401	March 16, 2007
PAVAN	AR-07-0453	March 26, 2007
XOQ/DOQ	AR-07-0453	March 26, 2007
Revised Met Data	AR-07-0699	March 30, 2007

MACCS2 and SACTII code input and output files were also requested by NRC and were provided by e-mail to the NRC Environmental Project Manager (EPM) on April 10 and 13, 2007, respectively. A copy was also provided to the EPM, in person, on April 16, 2007.

This letter provides the MACCS2 and SACTII code input and output files on CD, formatted to meet ADAMS electronic submittal requirements for document control, as an enclosure.

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Please contact T. C Moorer at (205) 992-5807 or J. T. Davis at (205) 992-7692 if you have questions or require additional information.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY

A handwritten signature in black ink, appearing to read "J. Miller". The signature is cursive and somewhat stylized.

Joseph A. (Buzz) Miller

JAM/BJS/dmw

Enclosure

cc: Southern Nuclear Operating Company

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

Nuclear Regulatory Commission

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

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)

Southern Nuclear Operating Company

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Enclosure

SACTI and MACCS2 Code Input/Output Files

Contact Person

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Document Components:

SACTI and MACCS2 code input and output files used on meteorological tower data and severe accident evaluations are contained on one (1) CD-ROM. The CD-ROM is labeled "Vogtle ESP Application ER SACTI and MACCS2 Code Input/Output Files" and contains a total of 33 files as follows:

File No.	File Title	No. of Bytes	Publicly Available
MACCS2 folder:			
001	AP1000 98output.doc	155,648	Yes
002	AP1000 Output.doc	161,280	Yes
003	VMet98.pdf	149,018	Yes
004	vout99.pdf	157,106	Yes
005	vout99H.pdf	157,033	Yes
006	vout.pdf	162,970	Yes
007	VAtmos.inp	21,078	Yes
008	Vchronic.inp	27,328	Yes
009	VEarly.inp	13,172	Yes
010	VMET98R1.INP	166,619	Yes
011	VMet99.inp	166,621	Yes
012	VMet.inp	166,621	Yes
013	VSite.inp	10,469	Yes
014	AP1000 98output.pdf	58,544	Yes

File No.	File Title	No. of Bytes	Publicly Available
MACCS2 folder (continued)			
015	AP1000 Output.pdf	98,859	Yes
016	VMet98.txt	166,621	Yes
017	vout99.txt	331,217	Yes
018	vout99H.txt	331,217	Yes
019	vout.txt	371,125	Yes
SACTI folder			
020	CD144.pdf	174,400	Yes
021	MIXHT.pdf	29,743	Yes
022	MULT.pdf	35,070	Yes
023	PREP.pdf	34,657	Yes
024	Read Me.pdf	37,257	Yes
025	TABLES.pdf	33,504	Yes
026	TABLES-out.pdf	172,296	Yes
027	TABLES.OUT	504,002	Yes
028	CD144.TAP	718,329	Yes
029	MIXHT.TAP	13,138	Yes
030	Read Me.txt	1,242	Yes
031	MULT.USR	1,184	Yes
032	PREP.USR	338	Yes
033	TABLES.USR	273	Yes