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**To:** "William Travers" <WDT@nrc.gov>,"Christian Araguas"  
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<DBM@nrc.gov>,"rwb@nrc.gov".NRGWIA01.NRGWDO01@nrc.gov>,<gjm1@nrc.gov>  
**Date:** 7/31/2007 4:34:58 PM  
**Subject:** SNC Letter AR-07-1463 transmitting VEGP ESP Environmental Computer Code  
Input & Output Files  
**cc:** "Mark Notich" <mdn@nrc.gov>

> An electronic copy of Southern Nuclear's letter, AR-07-1463, dated July 31,  
> 2007 is attached for your review. In addition, a hard copy has been  
> transmitted to the NRC Document Control desk via FedEx.  
>  
> <<AR-07-1463 Input-Output Files R2\_Cover.pdf>>  
>  
> Thank you,  
>  
> Dana Williams  
> Southern Nuclear Operating Company  
> Nuclear Development  
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>  
>

**Hearing Identifier:** Vogtle\_Public  
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**Subject:** SNC Letter AR-07-1463 transmitting VEGP ESP Environmental  
Computer Code Input & Output Files  
**Creation Date:** 7/31/2007 4:34:58 PM  
**From:** "Williams, Dana M." <X2DANAWI@southernco.com>

**Created By:** X2DANAWI@southernco.com

**Recipients** "Mark Notich" <mdn@nrc.gov>  
"William Travers" <WDT@nrc.gov>  
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"William Burton" <WFB@nrc.gov>  
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**Post Office**  
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<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	415	7/31/2007 4:34:58 PM
AR-07-1463 Input-Output Files R2_Cover.pdf		48915
8/9/2007 1:19:27 AM		
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**Options**  
**Priority:** Standard  
**Reply Requested:** No  
**Return Notification:** None  
None

**Concealed Subject:** No  
**Security:** Standard

**J. A. "Buzz" Miller**  
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**JUL 31 2007**

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 GASPAR, LADTAP, XOQDOQ, and MACCS2. PNNL indicated during recent conference calls that certain files in GASPAR, 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 GASPAR, LADTAP, and XOQDOQ. The duplicate input and output data files for computer codes GASPAR, LADTAP, and XOQDOQ are contained on compact disc (CD) in Enclosure 1.

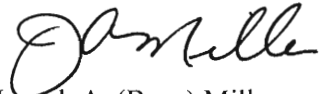
The issue associated with MACCS2 is more complex. In a conference call with PNNL, NRC, SNC, and Tetra-Tech, SNC's contractor for the Environmental Report (ER), it was determined that input files supporting MACCS2 contained assumptions and information that did not accurately characterize the full range 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.

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)  
Mr. W.F. Burton, Chief – Environmental Technical Support (w/o enclosures)  
Mr. M. D. Notich, Environmental Project Manager  
Mr. G. J. McCoy, Senior Resident Inspector of VEGP (w/o enclosures)

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

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

Tetra Tech NUS, Inc.

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