

September 5, 2007

Mr. Tom E. Tynan  
Vice President  
Vogtle Electric Generating Plant  
Southern Nuclear Operating Company, Inc.  
7821 River Road  
Waynesboro, GA 30830

SUBJECT: ENVIRONMENTAL SITE AUDIT REGARDING VOGTLE ELECTRIC  
GENERATING PLANT, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION  
(TAC NOS. MD5905 AND MD5906)

Dear Mr. Tynan:

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the Environmental Report submitted by Southern Nuclear Operating Company, Inc., in support of its application for license renewal for the Vogtle Electric Generating Plant, Units 1 and 2 (VEGP), and plans to conduct its environmental site audit at VEGP during the week of October 15, 2007. To develop the Supplemental Environmental Impact Statement for VEGP license renewal, the NRC staff requests that the items described in the enclosed list be made available to the extent possible during the VEGP environmental site audit. The NRC staff transmitted this list to members of your staff informally via e-mail on August 28, 2007. If you have any questions, please contact me at 301-415-2864 or via e-mail at [jpl1@nrc.gov](mailto:jpl1@nrc.gov).

Sincerely,

***/RAI***

J.P. Leous, Environmental Project Manager  
Environmental Branch B  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

Enclosure:  
As stated

cc w/encl: See next page

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DATE	8/31/07	8/31/07	9/5/07	9/5/07

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Letter to T. Tynan from J. Leous Dated September 5, 2007

SUBJECT: ENVIRONMENTAL SITE AUDIT REGARDING VOGTLE ELECTRIC  
GENERATING PLANT UNITS 1 AND 2 LICENSE RENEWAL APPLICATION  
(TAC NOS MD5905 and MD5906)

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## **Vogtle Electric Generating Plant, Units 1 and 2 License Renewal Information Needs**

The NRC staff has reviewed Appendix E, Environmental Report (ER), of the Vogtle Electric Generating Plant, Units 1 and 2 (VEGP), license renewal application and have found that it meets the requirements of 10 CFR 51.45. However, in order to develop the Supplemental Environmental Impact Statement for license renewal, a number of informational needs have been identified and are outlined below. The NRC staff would appreciate if you could make the following documents available during the environmental site audit at VEGP to be conducted the week of October 15, 2007.

### **Documentation**

- Arnett 2001
- Bailey et al. 2004
- Bennett and McFarlane 1983
- Burke County Tax Commission 2006
- DOE 1987
- DuPont 1987
- Gotvald et al. 2005
- GDOT 1987a, 1987b, 1992, 1999, 2005
- GPC 1987
- GPC 2005
- Lee et al, 1980
- Marcy et al. 2005
- Muska and Matthews 1983
- NOAA and GDNR 2003
- SNC 2003
- Wike et al.2006
- Please identify the source and date of off-site land use information shown in Figure 2.8-1 of the ER.

### **Radiological and Non-Radiological Documents**

- Offsite Dose Calculation Manual.
- Occupational Exposure Report for 2006.
- Reports of any abnormal, unusual spills or leaks and reports contained in the 10 CFR 50.75(g) file for decommissioning.

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- Program information regarding radiological groundwater monitoring (on-site and off-site).

#### **Other Information**

- A map showing the locations of all groundwater monitoring or production wells in the local area, including their depths, rates of production, and use of water, if known.
- More detailed meteorological data, including historic rainfall data, to provide additional information for the evaluation of water use conflicts.

#### **Meetings with VEGP Personnel**

- The project team will want to be able to talk to each of the key discipline leads (i.e., aquatic and terrestrial biologists, environmental compliance and permitting specialists, cultural/historical resources specialists, etc.). We recognize that these individuals are frequently the same person. If the facility would let us know how their organization is structured, we will prepare the audit schedule accordingly.
- Early in the site audit, a general site tour will be needed for the entire project team.
- More detailed site and surrounding environ tour(s) will be required later in the week. These tours would include:
  - a boat and vehicle tour to observe the aquatic environmental around the site, including any discharge and intake points
  - a vehicle tour of the terrestrial environmental, including any critical habitats and the transmission line corridor
- Radiological Tour to cover the following:
  - Gaseous, liquid, and solid radioactive waste processing
  - Storage of low and high level radioactive waste
  - Radioactive effluent release points
  - Radioactive effluent monitoring systems
  - Typical radiological environmental monitoring stations (including any co-located State monitoring stations)
- We would like to speak to knowledgeable personnel regarding the plant's radiological effluent monitoring program, radiological environmental monitoring program, and radioactive waste treatment systems (gaseous, liquid, and solid).
- Non-Radiological Waste System Tour to cover the following:
  - Areas where non-radiological wastes are accumulated and stored
  - Areas where mixed wastes are accumulated and stored