

May 21, 2008

Mr. Tom E. Tynan  
Vice President - Vogtle  
Vogtle Electric Generating Plant  
7821 River Road  
Waynesboro, GA 30830

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT, UNITS 1 AND 2, REQUEST FOR  
ADDITIONAL INFORMATION (RAI) REGARDING THE REFUELING WATER  
STORAGE TANK LEVEL AMENDMENT (TAC NOS. MD5778 AND MD5779)

Dear Mr. Tynan:

By letter dated January 9, 2008, as supplemented by letters dated February 6, and March 5, 2008, Southern Nuclear Operating Company, Inc. (the licensee), submitted an application to change the nominal trip setpoint and corresponding allowable value of the refueling water storage tank (RWST) Level – Low at which the semi-automatic switchover from the RWST to the containment emergency sump occurs. The Nuclear Regulatory Commission (NRC) staff is reviewing the submittal and has determined that additional information is required to complete its evaluation. This question was discussed by teleconference May 8, 2008, with members of your staff.

The NRC staff's RAI is enclosed. The licensee is required to provide a response to the RAI within 30 days.

Sincerely,

**/RA by RMartin/**

R. A. Jervy, Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

Enclosure:  
RAI

cc w/encl: See next page

May 21, 2008

Mr. Tom E. Tynan  
Vice President - Vogtle  
Vogtle Electric Generating Plant  
7821 River Road  
Waynesboro, GA 30830

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT, UNITS 1 AND 2, REQUEST FOR  
ADDITIONAL INFORMATION (RAI) REGARDING THE REFUELING WATER  
STORAGE TANK LEVEL AMENDMENT (TAC NOS. MD5778 AND MD5779)

Dear Mr. Tynan:

By letter dated January 9, 2008, as supplemented by letters dated February 6, and March 5, 2008, Southern Nuclear Operating Company, Inc. (the licensee), submitted an application to change the nominal trip setpoint and corresponding allowable value of the refueling water storage tank (RWST) Level – Low Low at which the semi-automatic switchover from the RWST to the containment emergency sump occurs. The Nuclear Regulatory Commission (NRC) staff is reviewing the submittal and has determined that additional information is required to complete its evaluation. This question was discussed by teleconference May 8, 2008, with members of your staff.

The NRC staff's RAI is enclosed. The licensee is required to provide a response to the RAI within 30 days.

Sincerely,

**/RA by RMartin/**

R. A. Jervey, Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

Enclosure:  
RAI

cc w/encl: See next page

**DISTRIBUTION:**

Public	RidsNrrDeEicb (KDesai)
LPL2-1 R/F	RidsOgcRp
RidsNrrLAMO'Brien (hard copy)	RidsNrrDsSsib (MScott)
RidsNrrPMRJervey (hard copy)	RidsAcrsAcnw&mMailCenter
RidsNrrDorlLpl2-1 (MWong)	RidsNrrDorlDpr
RidsRgn2MailCenter (SShaeffe)	

Accession No. ML081350721

OFFICE	NRR/LPL2-1/PM	NRR/LPL2-1/LA	NRR/LPL2-1/BC
NAME	RJervey	MO'Brien	RMartin for MWong
DATE	5/21/08	5/21/08	5/21/08

**OFFICIAL RECORD COPY**

REQUEST FOR ADDITIONAL INFORMATION

VOGTLE ELECTRIC GENERATING PLANT, UNITS 1 AND 2

REGARDING THE REFUELING WATER STORAGE TANK LEVEL AMENDMENT

DOCKET NOS. 50-424 AND 50-425

Please discuss the impact of the proposed change in the RWST Low Low level setpoint on the time available for operator manual actions during Emergency Core Cooling System switchover to recirculation mode. Please provide the basis and assumptions (including, as applicable, conservatisms and margins) for conclusions regarding adequacy of the time available.

Enclosure

Vogtle Electric Generating Plant, Units 1 & 2

cc:

Mr. Tom E. Tynan  
Vice President - Vogtle  
Vogtle Electric Generating Plant  
7821 River Road  
Waynesboro, GA 30830

Mr. N. J. Stringfellow  
Manager, Licensing  
Southern Nuclear Operating Company, Inc.  
P.O. Box 1295  
Birmingham, AL 35201-1295

Mr. Jeffrey T. Gasser  
Executive Vice President  
Southern Nuclear Operating Company, Inc.  
P.O. Box 1295  
Birmingham, AL 35201-1295

Mr. Steven M. Jackson  
Senior Engineer - Power Supply  
Municipal Electric Authority of Georgia  
1470 Riveredge Parkway, NW  
Atlanta, GA 30328-4684

Mr. Reece McAlister  
Executive Secretary  
Georgia Public Service Commission  
244 Washington St., SW  
Atlanta, GA 30334

Mr. Harold Reheis, Director  
Department of Natural Resources  
205 Butler Street, SE, Suite 1252  
Atlanta, GA 30334

Attorney General  
Law Department  
132 Judicial Building  
Atlanta, GA 30334

Mr. Laurence Bergen  
Oglethorpe Power Corporation  
2100 East Exchange Place  
P.O. Box 1349  
Tucker, GA 30085-1349

Arthur H. Dombey, Esquire  
Troutman Sanders  
Nations Bank Plaza  
600 Peachtree Street, NE  
Suite 5200  
Atlanta, GA 30308-2216

Resident Inspector  
Vogtle Plant  
8805 River Road  
Waynesboro, GA 30830

Office of the County Commissioner  
Burke County Commission  
Waynesboro, GA 30830