

March 13, 2009

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

SUBJECT: SAFETY EVALUATION REPORT RELATED TO THE LICENSE RENEWAL OF
THE VOGTLE ELECTRIC GENERATING PLANT, UNITS 1 AND 2

Dear Mr. Tynan:

By letter dated June 28, 2007, Southern Nuclear Operating Company, Inc. (SNC) submitted, for the U.S. Nuclear Regulatory Commission (NRC or the staff) review, an application to renew the Vogtle Electric Generating Plant (VEGP), Units 1 and 2, operating licenses for up to an additional 20 years. The license renewal application (LRA) was submitted pursuant to Title 10 of the *Code of Federal Regulations* Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." The staff determined that the LRA was complete and acceptable for docketing on August 21, 2007.

Since that time, the staff has reviewed the VEGP LRA, issued requests for additional information (RAIs), reviewed the applicant's responses to the staff's RAIs, developed a draft safety evaluation report (D-SER), and reviewed the applicant's comments on the D-SER. The D-SER was discussed at an Advisory Committee on Reactor Safeguards (ACRS) subcommittee meeting on November 5, 2008. On the basis of this review, the staff has developed the enclosed SER to document its findings associated with the safety review of the LRA and supporting documentation for Vogtle Electric Generating Plant, Units 1 and 2.

This SER is scheduled to be discussed at the ACRS full committee meeting on April 2, 2009.

T. Tynan

- 2 -

If you have any questions regarding this matter, please contact the license renewal project manager, Donnie Ashley at 301-415-3191 or e-mail Donnie.Ashley@nrc.gov.

Sincerely,

/RA/

Brian E. Holian, Director
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

Enclosure:
Safety Evaluation Report

cc w/encl: See next page

T. Tynan

- 2 -

If you have any questions regarding this matter, please contact the license renewal project manager, Donnie Ashley at 301-415-3191 or e-mail Donnie.Ashley@nrc.gov.

Sincerely,

/RA/

Brian E. Holian, Director
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

Enclosure:
Safety Evaluation Report

cc w/encl: See next page

ADAMS Accession No. ML090710026 (Package), ML090300259 (Letter), ML090710010 (Safety Evaluation Report) ***Via E-mail**

OFFICE	PM:RPB1:DLR	LA:DLR	OGC	BC:RPB1:DLR	BC:RER1:DLR*
NAME:	DAshley	SFiguroa	SUttal ^{NLO}	DPelton	JDozier
DATE:	02/04/09	02/04/09	03/11/09	3/12/09	02/03/09
OFFICE	BC:RER2:DLR*	BC:EMCB:DE*	BC:EEEEB:DE*	BC:DSS:SCVB*	BC:DSS:SBPB*
NAME:	RAuluck	Meena Khanna	GWilson	RDennig	DHarrison
DATE:	03/11/09	02/23/09	02/05/09	02/25/09	02/24/09
OFFICE	BC:DSS:SRXB*	BC:DCI:CPNB*	BC:DCI:CVIB*	BC:DRA:AFPB*	D:DE*
NAME:	GCranston	TChan (JCollins for)	MMitchell	AKlein	PHillard
DATE:	02/20/09	02/19/09	02/25/09	02/19/09	03/10/09
OFFICE	D:DSS*	D:DCI*	D:DRA*	D:DLR	
NAME:	WRuland	MEvans (JLubinski for)	MEvans (MCunningham for)	BHolian	
DATE:	3/13/09	03/04/09	02/26/09	3/13/09	

OFFICIAL RECORD COPY

Letter to T. Tynan from B. Holian, dated March 13, 2009

SUBJECT: SAFETY EVALUATION REPORT RELATED TO THE LICENSE RENEWAL OF
THE VOGTLE ELECTRIC GENERATING PLANT, UNITS 1 AND 2

HARD COPY

DLR RF

E-MAIL:

PUBLIC

RidsNrrDir

RidsNrrDirRpb1 Resource

RidsNrrDirRpb2 Resource

RidsNrrDirRer1 Resource

RidsNrrDirRerb Resource

RidsNrrDirRer2 Resource

RidsNrrDciCvib Resource

RidsNrrDciCpnb Resource

RidsNrrDraAfpb Resource

RidsNrrDeEmcb Resource

RidsNrrDeEeeb Resource

RidsNrrDssSrxb Resource

RidsNrrDssSbpb Resource

RidsNrrDssScvb Resource

RidsOgcMailCenter Resource

DAshley

SHernandez

BSingal

TChandler, RII

GMcCoy, RII

LLake, RII

Vogtle Electric Generating Plant, Units 1 and 2

cc:

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 Street, 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. Domby, 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

Mr. Bob Masse
Resident Manager
Oglethorpe Power Corporation
Vogtle Electric Generating Plant
7821 River Road
Waynesboro, GA 30830

Mr. Stanford M. Blanton, Esq.
Balch & Bingham, LLP
P.O. Box 306
Birmingham, AL 35201

Ms. Monica M. Caston
Vice President and General Counsel
Southern Nuclear Operating Company, Inc.
40 Inverness Center Parkway
P.O. Box 1295
Birmingham, AL 35201-1295

John Hornbuckle
Southern Nuclear Operating Company, Inc.
40 Inverness Center Parkway
P.O. Box 1295
Birmingham, AL 35201-1295