

February 28, 2013

Mr. B. L. Ivey, Vice President
Regulatory Affairs
Southern Nuclear Operating Company, Inc.
P.O. Box 1295
Bin B022
Birmingham, AL 35201

SUBJECT: ACCEPTANCE REVIEW OF SOUTHERN NUCLEAR OPERATING COMPANY'S
REQUEST FOR LICENSE AMENDMENT (LAR 13-001) FOR THE VOGTLE
ELECTRIC GENERATING PLANT UNITS 3 AND 4: REVISION TO AP1000
HUMAN FACTORS ENGINEERING, INTEGRATED SYSTEM VALIDATION
PLAN/GEH-320 (RP9437)

Dear Mr. Ivey:

By letter dated February 15, 2013 (Agencywide Documents Access and Management System Accession No. ML13050A214), Southern Nuclear Operating Company (SNC) submitted a license amendment request (LAR) for the Vogtle Electric Generating Plant (VEGP) Units 3 and 4. The proposed LAR would depart from the plant-specific Design Control Document Tier 2* material by revising reference document APP-OCS-GEH-320, "AP1000 Human Factors Engineering Integrated System Validation Plan" from Revision D to Revision 2. APP-OCS-GEH-320 is incorporated by reference in the updated final safety analysis report (UFSAR) as a means to implement the activities associated with the human factors engineering verification and validation. The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this LAR. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. Section 52.79 of the 10 CFR addresses content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has reviewed your application and concluded that it does provide technical information in sufficient detail to enable the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment.

B. L. Ivey

- 2 -

Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

If you have any questions, please contact me at (301) 415-6191 or ravindra.joshi@NRC.gov.

Sincerely,

/RA/

Ravindra Joshi, Senior Project Manager
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

Docket No(s): 52-025
52-026

cc: See next page

B. L. Ivey

- 2 -

Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

If you have any questions, please contact me at (301) 415-6191 or ravindra.joshi@NRC.gov.

Sincerely,

/RA/

Ravindra Joshi, Senior Project Manager
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

Docket No(s): 52-025
52-026

cc: See next page

DISTRIBUTION:

Public	RidsNroDnrl	MSutton	DMcGovern
RidsNroDnrlLB4	JFuller	TFredette	MErnstes
RidsOgcMailCenter	RidsAcrcAcnwMailCenter	PMoulding	MTonacci
RidsRgn2MailCenter	SBurnell	RButler	BBavol
LBurkhart	GKhouri	MJunge	PPieringer

ADAMS Accession No.: ML13058A122

NRO-002

OFFICE	DNRL/LB4:PM	DNRL/LB4: LA	DNRL/LB4:BC
NAME	RJoshi	RButler:scg for:	LBurkhart
DATE	02/28/2013	02/28/2013	02/28/2013

OFFICIAL RECORD COPY

Vogtle Units 3 & 4 Mailing List
cc:

(Revised 02/25/2013)

Resident Manager
Oglethorpe Power Corporation
Alvin W. Vogtle Nuclear Plant
7821 River Road
Waynesboro, GA 30830

Stephen E. Kuczynski
Chairman, President and CEO
Southern Nuclear
P.O. Box 1295
Birmingham, AL 35201

Office of the Attorney General
40 Capitol Square, SW
Atlanta, GA 30334

Mr. Reece McAlister
Executive Secretary
Georgia Public Service Commission
Atlanta, GA 30334

Lucious Abram
Commissioner -
Burke's County Commissioner
P. O. Box 1626
Waynesboro, GA 30830

Mr. Joseph A. (Buzz) Miller
Executive Vice President
Southern Nuclear Operating Company
241 Ralph McGill Blvd.
BIN 10240
Atlanta, GA 30308-3374

Anne F. Appleby
Oglethorpe Power Corporation
2100 East Exchange Place
Tucker, GA 30084

Resident Inspector
Vogtle Plant
8805 River Road
Waynesboro, GA 30830

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

Elaine Sikes
Burke County Library
130 Highway 24 South
Waynesboro, GA 30830

Mr. James C. Hardeman
Environmental Radiation Program Manager
Environmental Protection Division
Georgia Dept. of Natural Resources
4220 International Pkwy, Suite 100
Atlanta, GA 30354-3906

Mr. Jerry Smith
Commissioner
District 8
Augusta-Richmond County Commission
1332 Brown Road
Hephzibah, GA 30815

Lisa Higdon
Southern Nuclear Op. Co.
Document Control Coordinator
42 Inverness Center parkway
Attn: B236
Birmingham, AL 35242

Gene Stilp
1550 Fishing Creek Valley Road
Harrisburg, PA 17112

Rita Kilpatrick
250 Arizona Ave.
Atlanta, GA 30307

Mr. Robert E. Sweeney
IBEX ESI
4641 Montgomery Avenue
Suite 350
Bethesda, MD 20814

Vogle Units 3 & 4 Mailing List

George B. Taylor, Jr.
2100 East Exchange Pl
Atlanta, GA 30084-5336

Vogtle Units 3 & 4 Mailing List

Email

agaughtm@southernco.com (Amy Aughtman)
agbaker@southernco.com (Ann Baker)
anfaulk@southernco.com (Nicole Faulk)
APH@NEI.org (Adrian Heymer)
awc@nei.org (Anne W. Cottingham)
Bill.Jacobs@gdsassociates.com (Bill Jacobs)
blivey@southernco.com (Pete Ivey)
bob.masse@opc.com (Resident Manager)
bwwaites@southernco.com (Brandon Waites)
chmahan@southernco.com (Howard Mahan)
crpierce@southernco.com (C.R. Pierce)
cwaltman@roe.com (C. Waltman)
dahjones@southernco.com (David Jones)
danawill@southernco.com (Dana Williams)
david.hinds@ge.com (David Hinds)
david.lewis@pillsburylaw.com (David Lewis)
david.siefken@hq.doe.gov (David Siefken)
delongra@westinghouse.com (Rich DeLong)
dlfulton@southernco.com (Dale Fulton)
ed.burns@earthlink.net (Ed Burns)
edavis@pegasusgroup.us (Ed David)
enweathe@southernco.com (Beth Thomas)
erg-xl@cox.net (Eddie R. Grant)
G2NDRMDC@southernco.com (SNC Document Control)
GeerTC@westinghouse.com (Thomas Geer)
james1.beard@ge.com (James Beard)
jamiller@southernco.com (Buzz Miller)
jbtomase@southernco.com (Janice Tomasello)
jenmorri@southernco.com (Jennifer Buettner)
jim@ncwarn.org (Jim Warren)
Joseph_Hegner@dom.com (Joseph Hegner)
jranalli@meagpower.org (Jerry Ranalli)
jrjohnso@southernco.com (Randy Johnson)
jtdavis@southernco.com (Jim Davis)
jtgasser@southernco.com (Jeffrey Gasser)
karen.patterson@ttnus.com (Karen Patterson)
karlg@att.net (Karl Gross)
kasslc@westinghouse.com (Leslie Kass)
kim.haynes@opc.com (Kim Haynes)
KSutton@morganlewis.com (Kathryn M. Sutton)
kwaugh@impact-net.org (Kenneth O. Waugh)
lchandler@morganlewis.com (Lawrence J. Chandler)
ldperry@southernco.com (Leigh D. Perry)
maria.webb@pillsburylaw.com (Maria Webb)

Vogtle Units 3 & 4 Mailing List

mark.beaumont@wsms.com (Mark Beaumont)
markus.popa@hq.doe.gov (Markus Popa)
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
mcintyba@westinghouse.com (Brian McIntyre)
mdrauckh@southernco.com (Mark Rauckhorst)
media@nei.org (Scott Peterson)
mike.price@opc.com (M.W. Price)
MSF@nei.org (Marvin Fertel)
nirsnet@nirs.org (Michael Mariotte)
nlhender@southernco.com (Nancy Henderson)
Nuclaw@mindspring.com (Robert Temple)
patriciaL.campbell@ge.com (Patricia L. Campbell)
Paul@beyondnuclear.org (Paul Gunter)
pbessette@morganlewis.com (Paul Bessette)
randall@nexusamllc.com (Randall Li)
rhenry@ap.org (Ray Henry)
RJB@NEI.org (Russell Bell)
russpa@westinghouse.com (Paul Russ)
sabinski@suddenlink.net (Steve A. Bennett)
sblanton@balch.com (Stanford Blanton)
sfrantz@morganlewis.com (Stephen P. Frantz)
sjackson@meagpower.org (Steven Jackson)
skauffman@mpr.com (Storm Kauffman)
sroetger@psc.state.ga.us (Steve Roetger)
stephan.moen@ge.com (Stephan Moen)
taterrel@southernco.com (Todd Terrell)
tcmoorer@southernco.com (Thomas Moorer)
tlubnow@mpr.com (Tom Lubnow)
Tom.Bilik@nrc.gov (Thomas Bilik)
tomccall@southernco.com (Tom McCallum)
TomClements329@cs.com (Tom Clements)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
Wanda.K.Marshall@dom.com (Wanda K. Marshall)
wasparkm@southernco.com (Wesley A. Sparkman)
whelmore@aol.com (Bill Elmore)