

January 15, 2014

Mr. Ronald A. Jones, Vice President  
New Nuclear Operations  
South Carolina Electric & Gas Company  
14368 State Highway 213  
Jenkinsville, SC 29065

SUBJECT: ACCEPTANCE REVIEW OF SOUTH CAROLINA ELECTRIC & GAS COMPANY'S  
REQUEST FOR LICENSE AMENDMENT AND EXEMPTION (LAR 13-41) FOR  
THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3: COATING  
THERMAL CONDUCTIVITY (TAC NO. RQ0408)

Dear Mr. Jones:

By letter dated November 26, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13338A570), South Carolina Electric & Gas Company (SCE&G) submitted a request for a license amendment (LAR) for the Virgil C. Summer Nuclear Station, Units 2 and 3. The amendment request proposes to depart from Updated Final Safety Analysis Report (UFSAR) Tier 2 information to allow the use of a new methodology to determine the effective thermal conductivity resulting from oxidation of the inorganic zinc (IOA) used in the containment vessel coating system.

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 reviews. 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 *Code of Federal Regulations* (10 CFR), an amendment to the license must fully describe the changes requested, and follow 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.

R. Jones

- 2 -

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.

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) 415-0681 or [Denise.McGovern@nrc.gov](mailto:Denise.McGovern@nrc.gov).

Sincerely,

*/RA/*

Denise L. McGovern, Senior Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-027  
52-028

cc: See next page

R. Jones

- 2 -

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.

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) 415-0681 or [Denise.McGovern@nrc.gov](mailto:Denise.McGovern@nrc.gov).

Sincerely,

*/RA/*

Denise L. McGovern, Senior Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-027  
52-028

cc: See next page

**DISTRIBUTION:**

Public	RidsNroDnrl	MSutton	DMcGovern
NRO_DNRL_LB4 Distribution	RJackson	TFredette	MErnstes
RidsOgcMailCenter	RidsAcrcAcnwMailCenter	PMoulding	BBavol
RidsRgn2MailCenter	LBurkhart	SBurnell	RButler
JMcKirgan	RJoshi	SLu	TClark
CRosselle	AMinarik	JMartin	DJaffe
DTerao	HWagage	GMakar	SVias

ADAMS Accession No.: ML14013A161

NRO-002

<b>OFFICE</b>	DNRL/LB4: PM	DNRL/LB4: LA	DNRL/LB4: BC	DNRL/LB4: PM
<b>NAME</b>	DMcGovern (c)	RButler	LBurkhart	DMcGovern (s)
<b>DATE</b>	01/11/2014	01/13/2014	01/15/2014	01/15/2014

**OFFICIAL RECORD COPY**

COL SCE&G – VC Summer Mailing List

(Revised 10/30/2013)

cc:

Mr. Jeffrey B. Archie  
Sr. Vice President, Nuclear Operations  
South Carolina Electric & Gas Company  
MC D304  
220 Operation Way  
Cayce, SC 29033-3172

Chairman  
Fairfield County Council  
Drawer 60  
Winnsboro, SC 29180

Ms. Shannon Bowyer Hudson  
Office of Regulatory Staff  
State of South Carolina  
1401 Main Street  
Suite 900  
Columbia, SC 29201

Mr. George McKinney  
Director  
South Carolina EMD  
1100 Fish Hatchery Road  
West Columbia, SC 29172

Ms. Gidget Stanley-Banks  
Director  
Allendale County EPA  
426 Mullberry Street  
Allendale, SC 29810

## COL SCE&G – VC Summer Mailing List

### Email

abynum@scana.com (Al Bynum)  
amonroe@scana.com (Amy Monroe)  
APAGLIA@Scana.com (Al Paglia)  
APH@NEI.org (Adrian Heymer)  
April.Rice@scana.com (April Rice)  
arice@scana.com (April R. Rice)  
awc@nei.org (Anne W. Cottingham)  
bedforbj@westinghouse.com (Brian Bedford)  
Bill.Jacobs@gdsassociates.com (Bill Jacobs)  
charles.baucom@cbi.com (Charles T. Baucom)  
christina.barnett@scana.com (Christina Barnett)  
collinlj@westinghouse.com (Leslie Collins)  
CumminWE@Westinghouse.com (Edward W. Cummins)  
cwaltman@roe.com (C. Waltman)  
david.lewis@pillsburylaw.com (David Lewis)  
DCRM-EDMS@SCANA.COM  
delongra@westinghouse.com (Rich DeLong)  
dgriffin@scana.com (Donna S. Griffin)  
ed.burns@earthlink.net (Ed Burns)  
ewingja@westinghouse.com (Jerrod Ewing)  
fbelser@regstaff.sc.gov  
hutchiwe@westinghouse.com (William Hutchins)  
jarchie@scana.com (Jeffrey B. Archie)  
jenkinse@dhec.sc.gov (Susan Jenkins)  
jflitter@regstaff.sc.gov  
Joseph\_Hegner@dom.com (Joseph Hegner)  
karlg@att.net (Karl Gross)  
kinneyrw@dhec.sc.gov (Ronald Kinney)  
KSutton@morganlewis.com (Kathryn M. Sutton)  
kwaugh@impact-net.org (Kenneth O. Waugh)  
lchandler@morganlewis.com (Lawrence J. Chandler)  
maria.webb@pillsburylaw.com (Maria Webb)  
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)  
mcintyba@westinghouse.com (Brian McIntyre)  
media@nei.org (Scott Peterson)  
MSF@nei.org (Marvin Fertel)  
nirsnet@nirs.org (Michael Mariotte)  
Nuclaw@mindspring.com (Robert Temple)  
patriciaL.campbell@ge.com (Patricia L. Campbell)  
Paul@beyondnuclear.org (Paul Gunter)  
pbessette@morganlewis.com (Paul Bessette)  
porterhj@dhec.sc.gov (Henry Porter)  
randall@nexusamllc.com (Randall Li)

COL SCE&G – VC Summer Mailing List

RJB@NEI.org (Russell Bell)  
Ronald.Jones@scana.com (Ronald Jones)  
russpa@westinghouse.com (Paul Russ)  
rwink@ameren.com (Roger Wink)  
sabinski@suddenlink.net (Steve A. Bennett)  
sburdick@morganlewis.com (Stephen Burdick)  
sbyrne@scana.com (Stephen A. Byrne)  
sfrantz@morganlewis.com (Stephen P. Frantz)  
shudson@regstaff.sc.gov (Shannon Hudson)  
stephan.moen@ge.com (Stephan Moen)  
TGATLIN@scana.com (Thomas Gatlin)  
threatsj@dhec.sc.gov (Sandra Threatt)  
tom.miller@hq.doe.gov (Tom Miller)  
TomClements329@cs.com (Tom Clements)  
Vanessa.quinn@dhs.gov (Vanessa Quinn)  
vcsnrc@scana.com (NRC Senior Resident Inspector  
Wanda.K.Marshall@dom.com (Wanda K. Marshall)  
weave1dw@westinghouse.com (Doug Weaver)  
William.Cherry@scana.com (William Cherry)  
wmcherry@santeecooper.com (Marion Cherry)