

September 26, 2008

Mr. Ronald B. Clary
General Manager
New Nuclear Deployment
MC P40
South Carolina electric & Gas Company
PO Box 88
Jenkinsville, SC 29065

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION REVIEW SCHEDULE

Dear Mr. Clary:

This letter transmits the Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) review schedule. In the letter dated July 31, 2008, the NRC indicated that the NRC will be developing the COLA review schedule that will pilot a 4-phase review approach for the safety portion of the review (compared with the 6-phase approach that is currently standard for both design certification and combined license safety reviews). The safety review supports the issuance of Final Safety Evaluation Report (FSER) in February 2011. Milestones for the four phases of this review are provided in Table 1 of this letter. The environmental review supports the issuance of a Final Environmental Impact statement (FEIS) in February 2011. Milestones for the four phases of this review are also provided in Table 1 of this letter.

By letter dated March 27, 2008, South Carolina Electric & GAS Company (SCE&G), acting for itself, and acting as agent for the South Carolina Public Service Authority (also known as Santee Cooper) submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advanced passive pressurized water reactors in accordance with the requirements contained in 10 CFR 52, "License, Certifications and Approvals for Nuclear Power Plants." By letter dated July 31, 2008, the NRC informed you that we had docketed your combined license application for the VCSNS Units 2 and 3 (ADAMS Accession No. ML082050304).

The review of the AP1000 Design Certification Amendment will proceed in accordance with the review schedule provided to Westinghouse in a separate letter dated February 15, 2008 (ML080370179). The VCSNS Units 2 and 3 COL application incorporates by reference both Appendix D to 10 CFR 52 and the AP1000 Design Control Document submitted by Westinghouse as Revision 16. Thus a substantial portion of the Summer COLA review schedule is dependent on the AP1000 design certification amendment. In addition, as a subsequent combined license (S-COL) application utilizing the standard content contained and designated as such in the Tennessee Valley Authority's Bellefonte Units 3 and 4 application, your schedule is also dependent on the Bellefonte referenced combined license (R-COL) schedule. The staff will work with you and the AP1000 design center working group to implement the review of standard content on a stand-alone basis so that the VCSNS Units 2 and 3 COLA review schedule is minimally affected by the site-specific safety and/or environmental issues that may arise on the R-COL.

If you determine that it is necessary to resolve a standard issue differently for the VCSNS Units 2 and 3 COL application, you must notify the NRC immediately so that we may determine the review impact of this standard issue being considered as site specific.

In the letter dated July 31, 2008, the NRC discussed two areas that introduced uncertainty into environmental review schedule. These areas are 1) the environmental report (ER) does not contain sufficient ecological monitoring data for the staff to perform an adequate impact analysis for aquatic species in Monticello and Parr Reservoirs, Mayo Creek, and the Broad river and 2) the alternate site selection process described in the ER is unclear on how the preferred site was determined. These issues were considered in the development of the environmental review schedule shown in Table 1.

Our review schedules assume that responses to Request for Additional Information (RAIs) will be complete and provide sufficient information to address the staff's concerns. We assumed in our schedules that RAI responses will be submitted within 30 days of receipt of RAIs related to areas that involve Summer specific information and within 45 days of receipt of RAIs related to areas that involve standard content for all AP1000 COL applications.

The schedule does not currently model the hearing process. Should contentions be admitted, the review schedules in Table 1 may be impacted. Also, the mandatory hearing schedule will be developed by the Commission and the Atomic Safety and Licensing Board and thus is not included in Table 1 of this letter. Both the FEIS and the FSER will be used to support this hearing. As you know, the Commission will not make a determination on whether or not to issue the COL until this hearing is concluded.

The staff will review and re-baseline, if necessary, the Summer safety review schedule around the time the Advance Final SER (Phase 2) is being prepared. At this point, the staff will have a better idea of what target milestones are achievable given the number and complexity of the potential issues (open items) that are to be resolved. Similarly, the staff will review and re-baseline, if necessary, the Summer environmental review schedule soon after the public comment period ends. At this point, the staff will have a better idea if there are any issues that have been identified that could impact the schedule for the issuance of the FEIS. Of course, should any major revisions to the AP1000 DCA, the Bellefonte R-COL, or the Summer COL occur, we will review and re-baseline schedules in response to those revisions, as necessary. At any time, feel free to discuss concerns with this schedule or any future proposed schedule with the staff.

R. Clary

-3-

Should you have any questions regarding the safety review, please contact me at (301) 415-6191 or Ravindra.Joshi@nrc.gov. If you have questions regarding the environmental review, please contact Mr. Mark Notich, the lead environmental project manager, at (301) 415-3053, or Mark.Notich@nrc.gov.

Sincerely,

/RA/

Ravindra G. Joshi, Lead Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-027
52-028

cc w/encl: See next page

R. Clary

-3-

Should you have any questions regarding the safety review, please contact me at (301) 415-6191 or Ravindra.Joshi@nrc.gov. If you have questions regarding the environmental review, please contact Mr. Mark Notich, the lead environmental project manager, at (301) 415-3053, or Mark.Notich@nrc.gov.

Sincerely,

/RA/

Ravindra G. Joshi, Lead Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-027
52-028

cc w/encl: See next page

Distribution:

PUBLIC	RidsAcrsAcnwMailCenter	BAnderson	WBurton
RidsNroLAKGoldstein	RidsOgcMailCenter	BHughes	MNotich
RidsNroDnrl	SBurnell, OPA	MSpencer,OGC	LGoldin
RidsNroDnrlNwe1	SCoffin	CAraguas	
RidsRgn2MailCenter	JSebrosky	SGoetz	
RidsNrrOd	TSimms	RJoshi	

ADAMS Accession NO :ML082590543

OFFICE	LA:DNRL/NWE1	PM:DNRL/NWE1	BC:DNRL/NWE1	PM:DSER/RAP1
NAME	KGoldstein	RJoshi	SCoffin	MNotich
DATE	9/16/08	09/16/08	09/26/08	09/17/08
OFFICE	BC:DSER/RAP1	OGC		
NAME	WBurton	MSpencer		
DATE	9/17/08	9/25/08		

OFFICIAL RECORD COPY

Table 1: COL Review Schedule

<u>Phase of Safety Review</u>	<u>Target Completion Date</u>
Phase 1 RAIs and Supplemental RAIs	September 10, 2009
Phase 2 Advance Final safety evaluation report (SER) without Open Items	August 13, 2010
Phase 3 Advisory Committee on Reactor Safeguards Meeting On Advance Final SER	December 27, 2010
Phase 4 Final SER	February 18, 2011
<u>Phase of Environmental Review</u>	<u>Target Completion Date</u>
Phase 1 Scoping	June 24, 2009
Phase 2 Draft Environmental Impact Statement (DEIS)	March 24, 2010
Phase 3 Draft Environmental Impact Statement Comment Period	August 24, 2010
Phase 4 Final Environmental Impact Statement (FEIS)	February 3, 2011

COL SCE&G - VCSummer Mailing List
cc:

(Revised 09/15/2008)

Ms. Michele Boyd
Legislative Director
Energy Program
Public Citizens Critical Mass Energy
and Environmental Program
215 Pennsylvania Avenue, SE
Washington, DC 20003

Mr. Henry Porter
Assistant Director
Division of Waste Management
Bureau of Land & Waste Management
Dept. of Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

Mr. Stephen A. Byrne
Sr. Vice President Generation and
Chief Nuclear Officer
South Carolina Electric and Gas
MC 196 Palmetto Center
Columbia, SC 29218

Ms. Linda Sanders
Director
Allendale County EPA
P.O. Box 129
Allendale, SC 29810

Chairman
Fairfield County Council
Drawer 60
Winnsboro, SC 29180

Ms. Sandra Threatt
South Carolina DHEC
2600 Bull Street
Columbia, SC 29201

Mr. Thomas D. Gatlin
General Manager
Nuclear Plant Operations
South Carolina Electric & Gas Company
Virgil C. Summer Nuclear Station
Post Office Box 88, Mail Code 300
Jenkinsville, SC 29065

Mr. R. J. White
Nuclear Coordinator
S.C. Public Service Authority
c/o Virgil C. Summer Nuclear Station
P.O. Box 88, Mail Code 802
Jenkinsville, SC 29065

Mr. Ronald Kinney
South Carolina DHEC
2600 Bull Street
Columbia, SC 29201

Mr. Ron Osborne
Director
South Caroline EMD
1100 Fish Hatchery Road
West Columbia, SC 29172

COL SCE&G - VCSummer Mailing List

Email

amonroe@scana.com (Amy Monroe)
APAGLIA@Scana.com (Al Paglia)
APH@NEI.org (Adrian Heymer)
arice@scana.com (April R. Rice)
awc@nei.org (Anne W. Cottingham)
bmccall@santeecooper.com (Bill McCall, Jr.)
BrinkmCB@westinghouse.com (Charles Brinkman)
chris.maslak@ge.com (Chris Maslak)
CumminWE@Westinghouse.com (Edward W. Cummins)
cwaltman@roe.com (C. Waltman)
david.lewis@pillsburylaw.com (David Lewis)
dgriffin@scana.com (Donna S. Griffin)
dlochbaum@UCSUSA.org (David Lochbaum)
greshaja@westinghouse.com (James Gresham)
gzinke@entergy.com (George Alan Zinke)
jarchie@scana.com (Jeffrey B. Archie)
jgutierrez@morganlewis.com (Jay M. Gutierrez)
jim.riccio@wdc.greenpeace.org (James Riccio)
JJNesrsta@cpsenergy.com (James J. Nesrsta)
John.O'Neill@pillsburylaw.com (John O'Neill)
Joseph_Hegner@dom.com (Joseph Hegner)
kjbrowne@santeecooper.com (Kenneth J. Browne)
KSutton@morganlewis.com (Kathryn M. Sutton)
kwaugh@impact-net.org (Kenneth O. Waugh)
lchandler@morganlewis.com (Lawrence J. Chandler)
Marc.Brooks@dhs.gov (Marc Brooks)
maria.webb@pillsburylaw.com (Maria Webb)
mark.beaumont@wsms.com (Mark Beaumont)
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
media@nei.org (Scott Peterson)
mike_moran@fpl.com (Mike Moran)
MSF@nei.org (Marvin Fertel)
nirsnet@nirs.org (Michael Mariotte)
patriciaL.campbell@ge.com (Patricia L. Campbell)
paul.gaukler@pillsburylaw.com (Paul Gaukler)
Paul@beyondnuclear.org (Paul Gunter)
phinnen@entergy.com (Paul Hinnenkamp)
pshastings@duke-energy.com (Peter Hastings)
rclary@scana.com (Ronald Clary)
RJB@NEI.org (Russell Bell)
RKTemple@cpsenergy.com (R.K. Temple)
roberta.swain@ge.com (Roberta Swain)
rwhite@scana.com (Robin White)
sabinski@suddenlink.net (Steve A. Bennett)

COL SCE&G - VCSummer Mailing List

sandra.sloan@areva.com (Sandra Sloan)
sbyrne@scana.com (Stephen A. Byrne)
sfrantz@morganlewis.com (Stephen P. Frantz)
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
VictorB@bv.com (Bill Victor)
Wanda.K.Marshall@dom.com (Wanda K. Marshall)