



March 17, 2010
NND-10-0102

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

ATTN: Document Control Desk

Subject: Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) - Docket Numbers 52-027 and 52-028 Supplemental Response No. 2 to NRC Request for Additional Information (RAI) Letter No. 050.

References: 1) Letter from Chandu P. Patel (NRC) to Alfred M. Paglia (SCE&G), Request for Additional Information Letter No. 050 Related to SRP Section 02.03.02 for the Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application, dated June 19, 2009.

2) Letter from Ronald B. Clary (SCE&G) to the Document Control Desk (NRC), Response to NRC Request for Additional Information (RAI) Letter No. 050, dated July 30, 2009.

3) Letter from Ronald B. Clary (SCE&G) to the Document Control Desk (NRC), Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): Met-3 Revision 1, dated December 1, 2009.

The enclosure to this letter provides the South Carolina Electric & Gas Company (SCE&G) supplemental response to NRC RAI item 02.03.02-3 included in the above referenced letter from NRC to the SCE&G (Reference 1). The enclosure also identifies any associated changes that will be incorporated in a future revision of the VCSNS Units 2 and 3 COLA.

Should you have any questions, please contact Mr. Alfred M. Paglia by telephone at (803) 345-4191, or by email at apaglia@scana.com.

DD83
NRD

I declare under penalty of perjury that the foregoing is true and correct.

Executed on this 17th day of March, 2010.

Sincerely,



Ronald B. Clary
Vice President
New Nuclear Deployment

JEF/RBC/jg

Enclosures

c:

Luis A. Reyes
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NRC RAI Letter No. 050 Dated June 19, 2009

SRP Section: 02.03.02 – Local Meteorology

Question from Siting and Accident Consequences Branch (RSAC)

NRC RAI Number: 02.03.02-3

SRP 2.3.2 review procedures 3c and 3d state, in part, that the impact of plant heat and moisture sources on plant design and operation should be determined. In FSAR Section 2.3.2.4, "Potential Influence of the Plant and Its Facilities on Local Meteorology", please discuss:

1. The effects of salt and moisture deposition from the cooling tower on electrical transmission lines and other electrical equipment, including transformers and the switchyard.
2. The potential for the cooling towers to increase the temperature and humidity at the HVAC intakes.

VCSNS SUPPLEMENTAL RESPONSE:

In Reference 2, SCE&G letter NND-09-0213, dated July 30, 2009 (ML092230139), SCE&G provided an electronic copy of the Seasonal/Annual Cooling Tower Impact (SACTI) input/output files in their native format. The purpose of this supplemental response is to notify the NRC that these files have been updated as part of SCE&G's response to NRC Environmental Report RAI: Met-3 (Reference 3), dated December 1, 2009 (NND-09-0326, ML093420121).

This response is PLANT SPECIFIC.

ASSOCIATED VCSNS COLA REVISIONS:

None

ASSOCIATED ATTACHMENTS:

None