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SCE&G®
A SCANA COMPANY

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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 Voluntary Update to FSAR Table 2.0-201 to Address Proposed Changes to AP1000 DCD

By letter dated March 27, 2008, South Carolina Electric & Gas Company (SCE&G) submitted a combined license application (COLA) for proposed AP1000 units identified as Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 in accordance with 10 CFR Part 52. In response to the NRC review of the AP1000 Design Control Document (DCD) review, Westinghouse has revised several of the site parameters used to support the design of the AP1000 (DCP-NRC-002408, dated March 23, 2009; DCP-NRC-002668, dated October 20, 2009; DCP-NRC-002878, dated May 14, 2010; DCP-NRC-002897, dated May 28, 2010; DCP-NRC-002924, dated June 21, 2010). Thus, Table 2.0-201 of the VCSNS Units 2 and 3 FSAR will be revised to incorporate these DCD changes and any necessary corresponding plant-specific information required to address the revised or additional site parameters. The enclosure to this letter identifies these necessary changes. This information will be incorporated in Revision 3 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.

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

Executed on this 2nd day of July, 2010.

Sincerely,

Ronald B. Clary
Vice President
New Nuclear Deployment

D083
NRO

AMM/RBC/am

Enclosures

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VCSNS Units 2 and 3 COLA REVISIONS

VCSNS COLA Part 2 will be revised in Revision 3 as indicated below. Insertions are shown in green-underlined text and deletions are shown in red strike-through text.

1. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, first column, under the "Seismic" related site parameter, will be revised from ~~SSE~~ to CSDRS.

2. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, second column, under the "Seismic" related AP1000 DCD Value "Fault Displacement Potential," will be revised from ~~Negligible~~ to read:

> No potential fault displacement considered beneath the seismic Category I and seismic Category II structures and immediate surrounding area. The immediate surrounding area includes the effective soil supporting media associated with the seismic Category I and seismic Category II structures.

3. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, third column, under the "Seismic" related Plant Specific Value "Fault Displacement Potential," will be revised from ~~Negligible~~ to read:

> There are no capable faults within 25 miles of the VCSNS site vicinity. Therefore, there is no fault displacement potential within this area.

4. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, second column, under the "Soil" related AP1000 DCD Value "Maximum Allowable Dynamic Bearing Capacity for Normal Plus Safe Shutdown Earthquake (SSE)," will be revised to remove the "Maximum Allowable" portion of the parameter to read:

> ~~Maximum Allowable~~ Dynamic Bearing Capacity for Normal Plus Safe Shutdown Earthquake (SSE)

5. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, second column, under the "Soil" related AP1000 DCD Value "Liquefaction Potential," will be revised from ~~Negligible~~ to read:

> No liquefaction considered beneath the seismic Category I and seismic Category II structures and immediate surrounding area. The immediate surrounding area includes the effective soil supporting media associated with the seismic Category I and seismic Category II structures.

6. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, third column, under the "Soil" related Plant Specific Value "Liquefaction Potential" will be revised from ~~Negligible~~ to read:

> Units 2 and 3 are founded on hard rock. The seismic Category II Annex Building and 1st Bay of the Turbine Building, along with other portions of the Turbine Building and Radwaste Building, are founded on engineered structural fill on top of the hard rock. This fill does not have the potential to liquefy.

7. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, Sheet 4 of 5, revise note (f) from:

~~(f) Sites that fall within the hard rock high frequency GMRS given in DCD Figures 3I.1-1 and 3I.1-2 are acceptable.~~

To read:

(f) Sites that fall within the hard rock high frequency envelope response spectra given in DCD Figures 3I.1-1 and 3I.1-2 and satisfy the limitation on shear wave velocity in DCD Subsection 2.5.2.1 are acceptable.

8. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, Sheet 5 of 5, DCD column header for HVAC Intake from the "Ground Level Containment Release Points" will be revised to omit note ~~(8)~~ from header notations (4), (8) to read: (4). In addition, note ~~(8)~~ will be removed from the list of notes at the end of Table 2.0-201 on Sheet 5 of 5.