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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
Endorsement of R-COLA Response to ACRS Question on the Common Technical Support Center

- Reference:
1. Letter from Ronald B. Clary (SCE&G) to Document Control Desk (NRC), August 25, 2010 Submittal of the VCSNS COL Application, dated August 25, 2010.
 2. Vogtle (SNC) Response to Nuclear Regulatory Commission (NRC), Response to ACRS Question on the Common Technical Support Center, dated November 2, 2010 (ND-10-2086).

The enclosures to this letter provide the South Carolina Electric & Gas Company (SCE&G) response to the items contained in Reference 2. This response also identifies COLA changes to be incorporated in a future COLA update.

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 16th day of November, 2010.

Sincerely,

Ronald B. Clary
Vice President
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JMG/RBC/jg

D083
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Enclosure

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ACRS Question

Based on recent interactions with the NRC, an additional question was raised with respect to the planned common Technical Support Center (TSC) for the VEGP site. SNC responded to this question in Reference 2 to this letter. SCE&G is providing a similar response in this Enclosure to address the common TSC and EOF for VCSNS.

VCSNS Response

TSC requirements are found in NUREG-0696, *Functional Criteria for Emergency Response Facilities*. The TSC functions are:

- Provide plant management and technical support to plant operations personnel during emergency conditions.
- Relieve the reactor operators of peripheral duties and communications not directly related to reactor system manipulations.
- Prevent congestion in the control room.
- Perform Emergency Operations Facility (EOF) functions for the Alert Emergency class, Site Area Emergency class and General Emergency class until the EOF is functional.

Specific requirements for the use of TSCs for multiple units of different reactor design are not listed in NUREG-0696. However, the NRC has approved other TSCs and EOFs for concurrent use involving multiple reactor designs. In approving these facilities, the NRC applies certain human factors engineering (HFE) elements when evaluating the effectiveness of TSCs using multiple units with multiple reactor designs. These include:

- Facility resources
 - Size
 - Data retrievability and analysis
 - Communications equipment
- Equipment and Data display differentiation
- Training and Staffing

Design of the TSC is discussed in Section H.1.b, *Technical Support Center*, of the VCSNS Radiation Emergency Plan (EP). The TSC will be established consistent with NUREG-0696 and will accommodate the required personnel to support a single or multi-unit event. The TSC and EOF will contain selected dedicated communications equipment and data displays for both reactor designs. The emergency implementing procedures will contain additional detail that describes communication devices that are dedicated for each technology used.

ASSOCIATED VCSNS COLA REVISIONS:

COLA Part 10, Table 3.8-1, Emergency Planning ITAAC 8.1.1.D.2 will be revised to add the following item.

- c. Demonstrate the capability of TSC and EOF equipment and data displays to clearly identify and reflect the affected unit.

ASSOCIATED ATTACHMENTS:

None