



Ronald A. Jones
Vice President
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July 11, 2013
NND-13-0399
10 CFR 50.90
10 CFR 52.63

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

Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3
Combined License Nos. NPF-93 and NPF-94
Docket Nos. 52-027 & 52-028

Subject: LAR 13-06 Request for License Amendment and Exemption: Primary
Sampling System Changes Supplement 1

- References:
1. Southern Nuclear Operating Company, Vogtle Electric Generating Plant Units 3 and 4 Request for License Amendment and Exemption: Changes to the Primary Sampling System (PSS) (LAR-12-012R), dated December 7, 2012.
 2. South Carolina Electric and Gas Company (SCEG) Request for License Amendment and Exemption: Primary Sampling System Changes, dated February 7, 2013 (NND-13-0068).
 3. Southern Nuclear Operating Company, Vogtle Electric Generating Plant Units 3 and 4 Request for a License Amendment and Exemption: Changes to the Primary Sampling System (PSS) (LAR 12-012S2) Supplement 2, dated March 29, 2013.

In accordance with the provisions of 10 CFR 50.90, South Carolina Electric & Gas Company (SCE&G) submitted a request for an amendment to the Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 combined licenses (COLs) (License Nos. NPF-93 and NPF-94, respectively) (Reference 2). The proposed amendment would allow the replacement of the Primary Sampling System (PSS) containment air return check valve with a solenoid operated valve and allow redesign of the PSS inside containment header and add a PSS containment penetration. Because these details impact Tier 1 of the Plant-Specific DCD and Appendix C of the COL, this activity has been determined to require prior NRC approval. Also, because the change requires a departure from Tier 1 information, an exemption is requested from the requirements of the Generic DCD Tier 1 in accordance with 52.63(b)(1).

The Description, Technical Evaluation, Regulatory Evaluation (including Significant Hazards Consideration), and Environmental Considerations for the proposed changes in the License Amendment Request (LAR) are contained in Enclosure 1 provided with Reference 2. Further justification for the associated exemption request is provided in

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Enclosure 2 provided with Reference 2. The proposed markups depicting the requested changes to Tier 1, COL Appendix C, and the UFSAR are contained in Enclosure 3 provided with Reference 2.

The information being provided with this supplement is related to the size of the proposed PSS containment penetration. This information, provided in Enclosure 4, does not change the scope of the amendment request submitted on February 7, 2013. Therefore, a revised significant hazards determination is not required. This letter contains no regulatory commitments.

This supplement is consistent with the submittal provided by Southern Nuclear Operating Company identified in Reference 3.

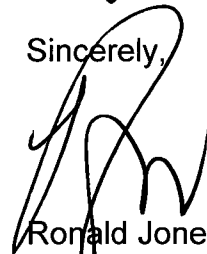
In accordance with 10 CFR 50.91, SCE&G is notifying the State of South Carolina of this supplement by transmitting a copy of this letter and enclosures to the designated State Official.

Should you have any questions, please contact Mr. Alfred M. Paglia by telephone at (803) 941-9876, or by email at apaglia@scana.com.

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

Executed on this 11th day of July, 2013.

Sincerely,

A handwritten signature in black ink, appearing to be 'RJ' or similar initials, written over the word 'Sincerely,'.

Ronald Jones
Vice President
New Nuclear Operations

JGE/RAJ/jg

Enclosure 4: Supplement to License Amendment Request Regarding Changes to the Primary Sampling System (LAR 13-06)

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South Carolina Electric & Gas Company

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Enclosure 4

(Note that Enclosures 1, 2 and 3 were provided with Reference 2.)

Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3

**Supplement to License Amendment Request 13-06 Regarding Changes to the
Primary Sampling System (PSS)
(LAR 13-06S1)**

Primary Sampling System (PSS) Containment Penetration Description

The proposed PSS design for the VCSNS Units 2 and 3 would contain a total of four containment penetrations. Two lines convey the liquid samples from their sources to either the grab sampling panel or the radiochemistry laboratory. A third line carries the containment atmosphere sample from the source to the grab sampling panel. The fourth line returns the containment atmosphere or post-accident liquid sampling flow to containment.

LAR-13-06 proposed the addition of a second PSS liquid sample containment penetration. The additional penetration, PSS-PY-C04 (P16), would be identical to the current PSS penetration, PSS-PY-C01 (P14), and placed near PSS-PY-C01 (P14). Table 1 provides a summary of the PSS containment penetrations.

Table 1 – Summary of PSS Containment Penetrations

Penetration	Penetration Sleeve	Description	Outside Diameter of Process Line	Containment Penetration Sleeve Diameter
PSS-PY-C01	P14	Liquid sampling	¼-inch tubing	0.840 inches
PSS-PY-C02	P15	Containment air supply	¾-inch tubing	1.050 inches
PSS-PY-C03	P13	Containment air, post-accident liquid return to containment	1-inch Schedule 80 pipe	2.25 inches
PSS-PY-C04	P16	Liquid sampling	¼-inch tubing	0.840 inches