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Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Units 3 and 4  
Supplement to Request for License Amendment and Exemption Regarding  
Passive Core Cooling System (PXS) Condensate Return (LAR-13-024S3)

Ladies and Gentlemen:

By letter dated April 11, 2014, Southern Nuclear Operating Company (SNC), the licensee for Vogtle Electrical Generating Plant (VEGP) Units 3 and 4, requested an amendment to Combined License (COL) Numbers NPF-91 and NPF-92, for VEGP Units 3 and 4, respectively. Pursuant to the provisions of 10 CFR 52.63(b)(1), SNC also requested an exemption from elements of the design as certified in the 10 CFR Part 52, Appendix D, design certification rule for the plant-specific DCD Tier 1 material departures.

The proposed amendment would revise the plant-specific Tier 1 and associated Tier 2 material to describe an increase in the efficiency of the return of condensate utilized by the passive core cooling system (PXS) to the in-containment refueling water storage tank (IRWST) to support the capability for long term cooling.

This departure request is supported by the technical documents provided with the departure request submitted by Progress Energy on February 7, 2014. As such, on April 18, 2014, SNC incorporated by reference Enclosures 1, 2, 3, and 4 of the Progress Energy February 7, 2014 submittal (Reference NPD-NRC-2014-005, ADAMS Accession No. ML14042A034 and ML14042A035).

During a public teleconference on July 10, 2014, it was noted that these technical documents incorporated by reference above address several design changes, most of which are addressed in the requested license amendment. However, there were some associated design changes addressed in the enclosures which did not meet the regulation criteria for requiring prior NRC approval for implementation. The purpose of this letter is to specifically identify these

associated changes and confirm that these associated design changes have been incorporated into the Vogtle design and licensing basis.

Specifically, Section 5.0 of the Progress Energy submittal Enclosure 1 (Westinghouse APP-GW-GLR-161, Revision 1 (PROPRIETARY)) and Enclosure 2 (Westinghouse APP- GW-GLR-607, Revision 1 (NON-PROPRIETARY VERSION)) identifies the following design changes related to improvement of the PXS condensate return:

- 1) PXS downspout piping;
- 2) Downspout screen design (includes adding new screens);
- 3) Blocking of the polar crane girder / stiffener fabrication holes;
- 4) Addition of dam on the polar crane girder;
- 5) Gutter drip lip modification;
- 6) Personnel airlock and equipment hatch gutter routing; and
- 7) Update of the Shutdown Temperature Evaluation.

The changes to the PXS downspout piping (item 1 above), the addition of new screens (part of item 2 above), and the update of the shutdown temperature evaluation (item 7 above) are addressed in the Vogtle Units 3 & 4 License Amendment Request.

The change to block the polar crane girder and stiffener fabrication holes (item 3 above) affected UFSAR Figure 3.8.2-1, Sheet 3 of 3, in that the fabrication holes are shown on the figure. This change (which did not meet the criteria for requiring prior NRC approval) and its UFSAR impact on the associated figure have been incorporated into the design and licensing basis. This departure was reported in the Vogtle 3 and 4 semi-annual departure report as LDCR 2014-028 via SNC letter ND-14-0768, dated June 13, 2014.

The remaining changes for the downspout screen design (remaining part of item 2 above), the addition of a dam on the polar crane girder (item 4 above), the gutter drip modification (item 5 above), and the personnel airlock and equipment hatch gutter routing (item 6 above) did not directly impact the current licensing basis documents, nor meet any of the criteria for requiring prior NRC approval. However, these changes have also been implemented in the design to support improvement of the PXS condensate return.

In accordance with 10 CFR 50.91, SNC is notifying the State of Georgia of this LAR supplement by transmitting a copy of this letter and enclosures to the designated State Official.

This letter contains no regulatory commitments.

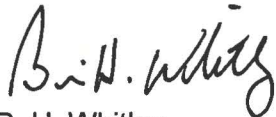
The supporting information in this supplemental letter does not impact the actual proposed changes in the License Amendment Request, nor the technical content included with the request, nor the exemption request.

Should you have any questions, please contact Mr. Jason Redd at (205) 992-6435.

Mr. Brian H. Whitley states that: he is the Regulatory Affairs Director of Southern Nuclear Operating Company; he is authorized to execute this oath on behalf of Southern Nuclear Operating Company; and to the best of his knowledge and belief, the facts set forth in this letter are true.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY



B. H. Whitley

BHW/ERG/kms

Sworn to and subscribed before me this 28<sup>th</sup> day of August, 2014

Notary Public: Kristin Marie Seibert

My commission expires: August 16, 2016



cc:

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