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JUN 11 2013

Docket Nos.: 52-025
52-026

ND-13-1158
10 CFR 50.90
10 CFR 52.63

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Units 3 and 4
Request for License Amendment and Exemption:
Changes to the Chemical and Volume Control System (CVS) (LAR-13-002S2) Supplement 2

Ladies and Gentlemen:

On January 11, 2013, in accordance with the provisions of 10 CFR 50.90, Southern Nuclear Operating Company (SNC) requested an amendment to the combined licenses (COLs) for Vogtle Electric Generating Plant (VEGP) Units 3 and 4 (License Numbers NPF-91 and NPF-92, respectively). The amendment request proposed to depart from approved Design Control Document (DCD) Tier 2 information that has been previously incorporated into the VEGP Units 3 and 4 Updated Final Safety Analysis Report (UFSAR) and the associated certified Tier 1 information that is involved with this Tier 2 information and to revise the associated information that has been included in Appendix C of each COL. The NRC Staff provided a comment to SNC regarding LAR-13-002 during a public conference call on May 9, 2013. The enclosures to this letter summarize the Staff's comments and provide a revised mark-up to address the Staff's comments.

On February 27, 2013, SNC submitted a supplement to LAR-13-002 (SNC Letter Number ND-13-0415), which provided five revised marked-up pages to replace those provided in Enclosure 3 of the original submittal. The revised mark-ups were added as Enclosure 4 of the license amendment request (LAR). With this second supplement to LAR-13-002 (identified as LAR-13-002S2), SNC provides additional changes to the mark-ups provided in Enclosure 3 of the January 11, 2013 submittal, as revised by Supplement 1. The response to the NRC comment and an associated revised mark-up are added as Enclosure 5 and Enclosure 6, respectively. The information provided in Enclosures 5 and 6 do not change the scope of the amendment request submitted on January 11, 2013, because the text in Enclosure 1 of the LAR accurately described the proposed changes. Consequently, because the LAR text accurately described the proposed changes, this supplement does not require a revised Significant Hazards Consideration determination. This letter contains no regulatory commitments.

DD92
NRD

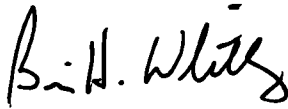
In accordance with 10 CFR 50.91, SNC is notifying the State of Georgia of this LAR supplement by transmitting a copy of this letter and enclosures to the designated State Official.

Should you have any questions, please contact Mr. Wesley A. Sparkman at (205) 992-5061.

Mr. B. H. Whitley states that he is the Regulatory Affairs Director of Southern Nuclear Operating Company, 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/TEA/kms

Sworn to and subscribed before me this 11th day of June, 2013

Notary Public: Kristen Marie Seibert

My commission expires: August 16, 2016

- Enclosures:
5. Vogtle Electric Generating Plant (VEGP) Units 3 and 4 – Request for License Amendment and Exemption: Second Supplement to Changes to the Chemical and Volume Control System (CVS) (LAR-13-002S2)
 6. Vogtle Electric Generating Plant (VEGP) Units 3 and 4 – Revised Licensing Basis – Proposed Changes (LAR-13-002S2)

cc:

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Enclosure 5

Vogtle Electric Generating Plant (VEGP) Units 3 and 4

**Request for License Amendment and Exemption
Second Supplement to
Changes to the Chemical and Volume Control System (CVS)
(LAR-13-002S2)**

Note:

- **Enclosures 1 through 3 were provided with the original LAR submittal on January 11, 2013**
- **Enclosure 4 was provided with Supplement 1 to the LAR submittal on February 27, 2013**

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Enclosure 5

Request for License Amendment and Exemption: Second Supplement to Changes to the CVS (LAR-13-002S2)

On January 11, 2013, Southern Nuclear Operating Company (SNC) requested an amendment to the combined licenses (COLs) for Vogtle Electric Generating Plant (VEGP) Units 3 and 4 (License Nos. NPF-91 and NPF-92, respectively). The license amendment request (LAR-13-002) proposed departures to change the Chemical and Volume Control System (CVS) design. This enclosure summarizes a comment provided by NRC staff in a public conference call on May 9, 2013, and provides the SNC response to address the Staff's comment.

NRC Comment and SNC Response

NRC Comment

Vogtle LAR-13-002 proposes to modify UFSAR Table 3.9-16, "Valve Inservice Test Requirements," to include CVS-PL-V067, "Makeup Return Line Bypass Check Valve." The modified table specifies this check valve as an ASME OM Code Category C valve. The modified table includes leak testing provisions for this check valve. The NRC staff requests the licensee to justify the basis for not specifying this check valve as a Category AC valve.

SNC Response:

SNC has determined that CVS-PL-V067, "Makeup Return Line Bypass Check Valve" should be classified as an ASME OM Code Category AC valve. Accordingly, SNC proposes to change the ASME Class / IST Category column entry of UFSAR Table 3.9-16, "Valve Inservice Test Requirements," for CVS-PL-V067 from Category A to Category AC. A revised mark-up of Table 3.9-16 is provided in Enclosure 6.

SNC also determined that this change does not affect any text of the UFSAR.

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Enclosure 6

Vogtle Electric Generating Plant (VEGP) Units 3 and 4

**Revised Licensing Basis – Proposed Changes
(LAR-13-002S2)**

Note:

- **Enclosures 1 through 3 were provided with the original LAR submittal on January 11, 2013**
- **Enclosure 4 was provided with Supplement 1 to the LAR submittal on February 27, 2013**

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Enclosure 6

Revised Licensing Basis – Proposed Changes (LAR-13-002S2))

Replace page 16 of Enclosure 3 with the following page:

UFSAR Table 3.9-16 (Sheet 2 of 26) is revised by changing the ASME Class / IST Category column entry for CVS-PL-V067 from Category A to Category AC for CVS-PL-V067.

**UFSAR Table 3.9-16 (Sheet 2 of 26)
 Valve Inservice Test Requirements**

Valve Tag Number	Description ⁽¹⁾	Valve/Actuator Type	Safety-Related Missions	Safety Functions ⁽²⁾	ASME Class/IST Category	Inservice Testing Type and Frequency	IST Notes
CVS-PL-V001	RCS Purification Stop	Remote MO GATE	Maintain Close Transfer Close	Active Safety Seat Leakage Remote Position	Class 1 Category B	Remote Position Indication, Exercise/2 Years RCS Isolation Leak Test/Refueling Exercise Full Stroke/Cold Shutdown Operability Test	6, 31, 32
CVS-PL-V002	RCS Purification Stop	Remote MO GATE	Maintain Close Transfer Close	Active Safety Seat Leakage Remote Position	Class 1 Category B	Remote Position Indication, Exercise/2 Years RCS Isolation Leak Test/Refueling Exercise Full Stroke/Cold Shutdown Operability Test	6, 31, 32

CVS-PL-V041	Resin Flush ORC Isolation	Manual	Maintain Close	Containment Isolation Safety Seat Leakage	Class 2 Category A	Containment Isolation Leak Test	27
CVS-PL-V042	Flush Line Containment Isolation Relief	Relief	Maintain Close Transfer Open Transfer Close	Active Containment Isolation Safety Seat Leakage	Class 2 Category AC	Containment Isolation Leak Test Class 2/3 Relief Valve Tests/10 Years and 20% in 4 Years	27
CVS-PL-V045	Letdown Containment Isolation IRC	Remote AO GLOBE	Maintain Close Transfer Close	Active-to-Failed Containment Isolation Safety Seat Leakage Remote Position	Class 2 Category A	Remote Position Indication, Exercise/2 Years Containment Isolation Leak Test Exercise Full Stroke/Quarterly Failsafe Test/Quarterly Operability Test	27, 31
CVS-PL-V047	Letdown Containment Isolation ORC	Remote AO GLOBE	Maintain Close Transfer Close	Active-to-Failed Containment Isolation Safety Seat Leakage Remote Position	Class 2 Category A	Remote Position Indication, Exercise/2 Years Containment Isolation Leak Test Exercise Full Stroke/Quarterly Failsafe Test/Quarterly Operability Test	27, 31
CVS-PL-V058	Letdown Line Containment Isolation Relief	Relief	Maintain Close Transfer Open Transfer Close	Active Containment Isolation Safety Seat Leakage	AC	Containment Isolation Leak Test Class 2/3 Relief Valve Tests/ 10 Years and 20% in 4 years	27
CVS-PL-V067	Makeup Return Line Bypass Check Valve	Check	Maintain Close Transfer Open Transfer Close	Active Safety Seat Leakage	Class 1 Category AC	Check Exercise/Cold Shutdown RCS Isolation Leak Test/Refueling	6, 32
CVS-PL-V080	RCS Purification Return Line Check Valve	Check	Maintain Close Transfer Close	Active Safety Seat Leakage	Class 3 Category C	Check Exercise/Cold Shutdown RCS Isolation Leak Test/Refueling	6, 32