

**South Carolina Electric & Gas Company**

**Virgil C. Summer Nuclear Station Units 2 & 3**

**NND-16-0378**

**Enclosure 2NP**

**Proposed Changes to**

**Licensing Basis Documents**

**(LAR 16-12)**

**Note:**

Added text is shown as [Blue Underline](#)

Deleted text is shown as ~~Red-Strikethrough~~

Omitted text is shown as three asterisks (\*\*\*)

(Enclosure 2NP consists of 3 pages, including this cover page)

**[Note: For clarity, entirely new text that is being added to UFSAR Appendix 7A is depicted in blue font in these markups and additions to WCAP-17179 are depicted as blue underline. The existing markups in Appendix 7A that are unchanged by this LAR are depicted with black font (underlined or strike-out) as per the current UFSAR Appendix 7A.]**

**Licensing Basis Change Descriptions:**

- **Revise UFSAR Appendix 7A, Section 7A.2 “REFERENCES” to reflect the changes from SRNC and CIM FPGA Software Specifications to SRNC and CIM FPGA Software Requirements Specifications, and add new documents for the SRNC and CIM FPGA Software Design Descriptions.**
- **Revise UFSAR Appendix 7A, Section 7A.2 to reflect changes made to Section 2.3.1.2 which revise the CIM FPGA Software Specifications document to the CIM FPGA Software Design Description document. In addition, update the reference number for CIM Logic Specification document.**
- **Revise UFSAR Appendix 7A, Section 7A.2 to reflect changes made to Section 2.3.2.2 which revise the SRNC FPGA Software Specifications document to the SRNC FPGA Software Design Description document.**
- **Revise UFSAR Appendix 7A, Section 7A.2 to reflect changes made in Section 2.5.1.1.1 to remove references to CS Innovations**
- **Revise UFSAR Appendix 7A, Section 7A.2 to reflect changes made in Section 2.5.1.1.2 to the internal power supply voltages of the SRNC and CIM monitors.**

7A.2 [WCAP-17179-P and WCAP-17179-NP, AP1000™ Component Interface Module Technical Report

\* \* \*

- *Revise the REFERENCES as follows:*

\* \* \*

20. 6105-10004 (Proprietary), Rev. 13, “SRNC FPGA Software Requirements Specification,” GS Innovations, Westinghouse Electric Company LLC.
21. 6105-20004 (Proprietary), Rev. 17, “CIM FPGA Software Requirements Specification,” GS Innovations, Westinghouse Electric Company LLC.
22. WCAP-17184-P (Proprietary), Revision-1 2 (as modified by changes provided in Appendix 7A), “AP1000 Diverse Actuation System Planning and Functional Design Summary Technical Report,” Westinghouse Electric Company LLC.
24. 6105-10014 (Proprietary), Rev. 5, “SRNC FPGA Software Design Description,” Westinghouse Electric Company LLC.

25. 6105-20014 (Proprietary), Rev. 5, "CIM FPGA Software Design Description,"  
Westinghouse Electric Company LLC.

- *Revise Section 2.3.1.2, FPGA Level Functional Description, as follows:*

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]<sup>a,c</sup>

- *Revise Section 2.3.2.2, FPGA Level Functional Description, as follows:*

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]<sup>a,c</sup>

- *Revise Section 2.5.1.1.1, Safety Path Testing, as follows:*

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]<sup>a,c\*\*\*</sup>

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]<sup>a,c\*\*\*</sup>

- *Revise Section 2.5.1.1.2, Additional Continuous Diagnostics, as follows:*

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