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May 27, 2016

Docket Nos.: 52-025
52-026

ND-16-0782
10 CFR 50.90
10 CFR 52.98

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

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Units 3 and 4
Supplement 2 to Request for License Amendment:
Wall 11 Changes (LAR-15-021S2)

Ladies and Gentlemen:

Pursuant to 10 CFR 52.98(c) and in accordance with 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) by SNC letter ND-15-2263, dated December 22, 2015, and supplemented that request by SNC letter ND-16-0557, dated May 9, 2016. The license amendment request proposes to depart from approved AP1000 Design Control Document (DCD) Tier 2 information (text, tables, and figures) and involves Tier 2* information (as incorporated into the Updated Final Safety Analysis Report (UFSAR) as plant-specific DCD information), and also involves a change to a license condition.

Following the May 9, 2016, submittal, the Nuclear Regulatory Commission (NRC) staff identified an inconsistency in the markup of the UFSAR regarding the placement of a footnote in the final column header on the second page of the added table. The inconsistency is corrected on the enclosed replacement pages.

Enclosure 1 of the May 9, 2016 supplement provided the description, technical evaluation, regulatory evaluation (including the Significant Hazards Consideration determination) and environmental considerations for the proposed changes. The information in Enclosure 1 is not affected by this supplemental information.

Enclosure 2 of the May 9, 2016 supplement provided markups depicting the requested changes to the licensing basis documents. Only the proposed revision to UFSAR Table 3.5-1 is affected by this supplemental information. The revised version of proposed UFSAR Table 3.5-1 is provided in the enclosure to this supplement.

Enclosure 3 of the May 9, 2016 supplement provided a written response to NRC questions and identified the revisions to the LAR demarcated with revision bars in the updated Enclosure 1 and 2 of the May 9, 2016 supplement. Enclosure 3 of the May 9, 2016 supplement is not affected by this supplemental information.

Enclosure 4 of the May 9, 2016 supplement included the figures discussed in Enclosure 1 of the May 9, 2016 supplement. Enclosure 4 of the May 9, 2016 supplement is not affected by this supplemental information.

The supplemental information provided in this letter does not impact the scope of the requested amendment or the conclusions of the regulatory evaluation. This conclusion was made for the significant hazards consideration and the environmental considerations because the changes to the markups are minor and are consistency changes. These changes were made to maintain consistency with other changes identified in Enclosure 2 of the May 9, 2016 supplement.

This license amendment is requested to be issued by September 21, 2016. Delayed approval of this license amendment could result in a delay of construction of Wall 11 for placement of reinforcement bar at and above the 117' elevation and subsequent dependent construction activities for the auxiliary building wall at column line 11 (Wall 11). SNC expects to implement the proposed amendment (through incorporation into the licensing basis documents, e.g., the UFSAR) within 30 days of approval of the requested changes.

This letter contains no regulatory commitments.

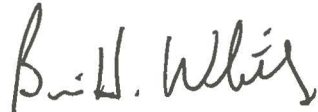
In accordance with 10 CFR 50.91, SNC is notifying the State of Georgia of this LAR by transmitting a copy of this letter and enclosures to the designated State Official.

Should you have any questions, please contact Mr. Jason P. 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



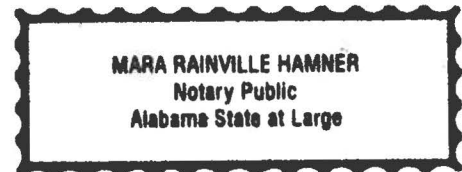
Brian H. Whitley

BHW/ERG/ljs

Sworn to and subscribed before me this 27th day of May, 2016

Notary Public: Mara Rainville Hamner

My commission expires: 2-18-2020



Enclosure: Vogtle Electric Generating Plant (VEGP) Units 3 and 4 – Supplemental
Proposed Changes to Licensing Basis Documents (LAR-15-021S2)

cc:

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Southern Nuclear Operating Company
Vogtle Electric Generating Plant (VEGP) Units 3 and 4

ND-16-0782

Enclosure

Supplemental Proposed Changes to Licensing Basis Documents
(LAR-15-021S2)

(This Enclosure consists of 3 pages, including this cover page.
Proposed Revisions are depicted in red and green.
Green text indicates moved to/from another location without revision.
Supplemental revisions are depicted in blue.)

Parts 1A, 1B, and 1C of Enclosure 2 of the May 9, 2016 supplement are not impacted by this Supplement 2 information.

Part 1D Associated Licensing Basis Changes related to use of the turbine building first bay as a protective structure for tornado missiles

In Part 1D of Enclosure 2 of the May 9, 2016 supplement, only UFSAR Subsection 3.5, proposed new Table 3.5-1 is impacted by this Supplement 2 information. The proposed Table 3.5-1 in Supplement 1 is replaced by the proposed Table 3.5-1 shown below in its entirety.

UFSAR Subsection 3.5 - Revise to include new Table 3.5-1 as shown below.

| Table 3.5-1 (Sheet 1 of 2) EXTERNAL MISSILE PROTECTION PROVIDED FOR AUXILIARY BUILDING WALL 11 OPENINGS | | | | |
|---|-------------------------------|-----------|------------------------|--|
| Wall 11 Opening | Protected Room | Elevation | Missile ⁽¹⁾ | Protection ⁽²⁾⁽³⁾ |
| Room 12306 doorway | Valve/Piping Penetration Room | 100'-0" | Sphere | Room 12306 Wall 11 door |
| | | | Artillery Shell | Room 12306 Wall 11 door |
| | | | Automobile | First bay building structure Wall 11.2 large opening missile barriers |
| Room 12404 vent | Lower MSIV Compartment B | 117'-6" | Sphere | First bay building structure Wall 11.2 large opening missile barriers First bay interior missile barrier |
| | | | Artillery Shell | First bay building structure Wall 11.2 large opening missile barriers First bay interior missile barrier |
| | | | Automobile | First bay building structure Wall 11.2 large opening missile barriers |
| Room 12405 doorway | Lower VBS B&D Equipment Room | 117'-6" | Sphere | Room 12405 Wall 11 door |
| | | | Artillery Shell | Room 12405 Wall 11 door |
| | | | Automobile | First bay building structure Wall 11.2 large opening missile barriers Wall R large opening missile barrier |
| Room 12406 vent | Lower MSIV Compartment A | 117'-6" | Sphere | First bay building structure Wall 11.2 large opening missile barriers |
| | | | Artillery Shell | First bay building structure Wall 11.2 large opening missile barriers |
| | | | Automobile | First bay building structure Wall 11.2 large opening missile barriers Wall R large opening missile barrier |
| Room 12504 doorway | Upper MSIV Compartment B | 135'-3" | Sphere | Room 12504 Wall 11 door |
| | | | Artillery Shell | Room 12504 Wall 11 door |
| | | | Automobile | First bay building structure Wall 11.2 large opening missile barrier |

| Table 3.5-1 (Sheet 2 of 2) EXTERNAL MISSILE PROTECTION PROVIDED FOR AUXILIARY BUILDING WALL 11 OPENINGS | | | | |
|---|------------------------------|-----------|------------------------|---|
| Wall 11 Opening | Protected Room | Elevation | Missile ⁽¹⁾ | Protection ⁽²⁾⁽³⁾ |
| Room 12505 doorway | Upper VBS B&D Equipment Room | 135'-3" | Sphere | Room 12505 Wall 11 door |
| | | | Artillery Shell | Room 12505 Wall 11 door |
| | | | Automobile | First bay building structure Wall 11.2 large opening missile barrier |
| Room 12506 doorway | Upper MSIV Compartment A | 135'-3" | Sphere | Room 12506 Wall 11 door |
| | | | Artillery Shell | Room 12506 Wall 11 door |
| | | | Automobile | First bay building structure Wall R large opening missile barrier |
| Wall 11 penetrations | Various | Various | Sphere | First bay building structure Pipe sleeves Penetration contents Spare penetration covers |
| | | | Artillery Shell | First bay building structure Pipe sleeves Penetration contents Spare penetration covers |
| | | | Automobile | First bay building structure Wall 11.2 large opening missile barriers Wall R large opening missile barriers |

Notes:

- Tornado missiles are defined in Subsection 3.5.1.4.
- Turbine building first bay is a seismic Category II building structure. Wall 11 doors, Wall 11 penetration sleeves, and Wall 11 spare penetration covers that provide tornado missile protection are equipment Class C. Barriers in the turbine building first bay building structure that provide tornado missile protection are equipment Class D.
- The materials of construction for the missile barriers installed on or within the turbine building first bay and on Wall 11 shall be steel as specified below, or steel with equal or better material properties:
 - Wall 11.2 and Wall R large opening missile barriers
 - grating bar, baseplate - ASTM A240
 - perimeter frame - ASTM A36 or ASTM A992
 - anchors - ASTM F1554, Gr. 105
 - First bay interior missile barrier
 - barrier plate - ASTM A240
 - barrier support frame - ASTM A500, Gr. B
 - anchors - ASTM A325 or ASTM A490, and ASTM F1554, Gr. 105 as required
 - Wall 11 missile doors
 - door plate - ASTM A240
 - embed plates - ASTM A572, Gr. 50
 - anchors - ASTM A1064
 - Wall 11 spare penetration covers
 - ASTM A240
 - Pipe sleeves
 - material shall be as specified for their penetration function