



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

October 11, 2019

MEMORANDUM TO: Jennifer L. Dixon-Herrity, Chief
Licensing Branch 2
Division of Licensing, Siting,
and Environmental Analysis
Office of New Reactors

FROM: Jennivine Rankin, Project Manager **/RA/**
Licensing Branch 2
Division of Licensing, Siting,
and Environmental Analysis
Office of New Reactors

SUBJECT: AUDIT REPORT FOR VOGTLE ELECTRIC GENERATING
PLANT UNIT 4, REQUEST FOR LICENSE AMENDMENT:
REINFORCEMENT CHANGES FOR WALL L AND WALL 7.3
(LAR-19-016)

By letter dated August 22, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML19234A327), Southern Nuclear Operating Company (the licensee) requested an amendment to Combined License (COL) Number NPF-92, for Vogtle Electric Generating Plant (VEGP) Unit 4.

The amendment proposes to depart from AP1000 Design Control Document (DCD) Tier 2* material that has been incorporated into the Updated Final Safety Analysis Report (UFSAR). The proposed departure consists of changes to Tier 2* information in the UFSAR to change the provided area of horizontal reinforcement for VEGP Unit 4 Wall L and Wall 7.3 from elevation 117'-6" to 135'-3".

CONTACT: Jennivine Rankin, NRO/DLSE/LB2
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The Structural Engineering Branch (NRO/SEB) staff conducted an audit from September 9 – October 7, 2019, via the Westinghouse Electric Company's electronic reading room. The purpose of the audit was to gain a better understanding of the licensee's proposed changes by examining relevant documented evidence that supports reaching a conclusion of reasonable assurance, and reviewing related documentation and non-docketed information to compliance with applicable regulations.

Docket No.: 52-026

Enclosure:
Regulatory Audit Report

cc: See next page

SUBJECT: AUDIT REPORT FOR VOGTLE ELECTRIC GENERATING PLANT UNIT 4,
 REQUEST FOR LICENSE AMENDMENT: REINFORCEMENT CHANGES FOR
 WALL L AND WALL 7.3 (LAR-19-016) DATED: OCTOBER 11, 2019

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ADAMS Accession No. ML19280D872

***via email**

NRO-008

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(Revised 08/16/2018)

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**Report of Regulatory Audit
License Amendment Related to
Reinforcement Changes for Wall L and Wall 7.3
Vogtle Electric Generating Plant, Unit 4 (LAR 19-016)**

A. Background

By letter dated August 22, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML19234A327), Southern Nuclear Operating Company (the licensee) requested an amendment to Combined License (COL) Number NPF-92, for Vogtle Electric Generating Plant (VEGP) Unit 4 (ADAMS Accession No. ML14100A135).

In license amendment request (LAR) 19-016, SNC proposes to depart from AP1000 Design Control Document (DCD) Tier 2* material that has been incorporated into the Updated Final Safety Analysis Report (UFSAR). The proposed departure consists of changes to Tier 2* information in the UFSAR to change the provided area of horizontal reinforcement for VEGP Unit 4 Wall L and Wall 7.3 from elevation 117'-6" to 135'-3".

The purpose of this audit is to gain a better understanding of the calculations associated with LAR 19-016.

B. Bases

This regulatory audit is based on the following:

- VEGP Units 3 and 4 UFSAR Revision 8, Chapter 3, "Design of Structures, Components, Equipment and Systems, Appendix 3H, Auxiliary and Shield Building Critical Sections" (ADAMS Accession No. ML19171A061).

The audit plan is available in ADAMS under Accession No. ML19248C020.

C. Logistics

Date: September 9, 2019 – October 7, 2019

Location: The audit was conducted through the Westinghouse Electric Company's electronic reading room.

D. Audit Team Members

The following U.S. Nuclear Regulatory Commission (NRC) staff members participated in substantive discussions during the audit:

Pravin Patel, Structural Engineer, Technical Reviewer
Jennivine Rankin, Project Manager

E. Applicant and Industry Staff Participants

Stephanie Agee (SNC)

F. Documents Audited

- SV4-CR01-GNR-000583, "U4 Walls 7.3 & L (EL 117'-6" to 135'-3") Reinf. w/o a Splice (ESR 50026080 & 50026081)," Revision 0.

G. Description of Audit Activities and Summary of Observations

The NRC staff examined documentation supporting LAR-19-016. Specifically, the staff examined the calculation associated with the non-conformance and deviation for Walls 7.3 and L to verify that the minimum reinforcement values presented in LAR-19-016 are reasonable.

H. Exit Briefing

The staff's audit exit briefing was conducted on October 7, 2019. The staff indicated there were currently no additional information needed for the review.

I. Requests for Additional Information (RAI) Resulting from Audit

No RAIs were issued as a result of this audit.

J. Open Items and Proposed Closure Paths

There were no open items from the audit.

K. Deviations from the Audit Plan

The duration of the audit was extended from September 25, 2019 to October 7, 2019, in order to allow staff additional time to examine the document that was added to the electronic reading room.