

PMVogtleCOLPEm Resource

From: Joshi, Ravindra
Sent: Monday, February 27, 2012 5:11 PM
To: PMVogtleCOLPEm Resource
Subject: RE: Audit Plan for Review of Calculations for Vogtle License Amendment Request (LAR) 12-001, Containment Internal Structural Nodule Shear Stud Size and Spacing
Attachments: Audit Plan for Review of Calculation AR 12-001.docx

MEMORANDUM TO: File (Vogtle Units 3 and 4)

From: Ravindra Joshi, Project Manager
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

Attached is the audit plan Audit Plan for Review of Calculations for Vogtle License Amendment Request (LAR) 12-001, Containment Internal Structural Nodule Shear Stud Size and Spacing.

Hearing Identifier: Vogtle_COL_Public
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Subject: RE: Audit Plan for Review of Calculations for Vogtle License Amendment Request (LAR) 12-001, Containment Internal Structural Nodule Shear Stud Size and Spacing
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Audit Plan for Review of Calculation
for Vogtle License Amendment Request (LAR) 12-001, 'Containment Internal Structural
Module Shear Stud Size and Spacing

Background

In a letter dated February 14, 2012, Southern Nuclear Operating Company (SNC) submitted a license amendment request (LAR) 12-001. The proposed LAR will revise the structural module shear stud size and spacing requirements presented in plan-specific Design Control Document (DCD) Figure 3.8.3-8, Sheet 1, Note 2. In its LAR submittal, SNC states that these changes are required to reflect the design basis calculations. Specifically, the calculation, 'APP-1100-SUC-003, Revision 3, "General Design of Shear Studs for Structural Modules for Inside Containment and CA20, is used as a basis for the change in stud size and spacing.

The purpose of the audit is to review these calculations and determine what information from these calculations (if any) needs to be placed on the docket and what subset of this information should be placed in the Vogtle FSAR.

Regulatory Audit Basis

The basis for the audit is the license amendment request is contained in the following regulations:

- 10 CFR 50, Appendix A, General Design Criterion (GDC) 2 states structures, systems, and components important to safety shall be designed to withstand the effects of natural phenomena such as earthquakes, tornadoes, hurricanes, floods, tsunamis, and affected by this activity maintain compliance with GDC 2. The licensee states that the thickness, geometry, and strength of the structures are not altered.
- 10 CFR 50, Appendix A, General Design Criterion (GDC) 4 states structures, systems, and components important to safety shall be designed to accommodate the effects of and to be compatible with the environmental conditions associated with normal operation, maintenance, testing, and postulated accidents, including loss-of-coolant accidents. The licensee states that the structures affected by this activity maintain compliance with GDC 4 and the thickness, geometry, and strength of the structures are not altered.

Regulatory Audit Scope or Methodology

Review of the calculation that the licensee takes credit for in the license amendment request, LAR 12-001.

Team Assignments

Ravi Joshi– Project Manager
Pravin Patel and Bret Tegeler– Lead reviewer for LAR 12-001

Logistics

Review of calculation packages will take place on February 28, 2012 at Westinghouse's Rockville Office. Neither the licensee nor Westinghouse will be at the audit. The staff will review the calculations in a room provided by Westinghouse. Based on the results of the review of the calculations a phone call will be held with the licensee/technical lead (Westinghouse) to discuss the calculation package.