

Vogle PEmails

From: Habib, Donald
Sent: Monday, April 23, 2018 3:02 PM
To: ptapscot@southernco.com; Chamberlain, Amy Christine;
WASPARKM@southernco.com; Redd, Jason P.; Amundson, Theodore Edwin; Hicks,
Thomas E.
Cc: neil.haggerty@excelservices.com; Patel, Chandu; Vogtle PEmails; Dixon-Herrity, Jennifer
Subject: RAI Transmittal for Vogtle 3 & 4 LAR 17-037 (RAI LAR 17-037-4)
Attachments: SCVB RAI LAR 17-037-04 RAI_9537 As Issued 04-23-2018.docx

To All:

By letter dated December 21, 2017, Southern Nuclear Company submitted License Amendment Request No. 17-037 to the U. S. Nuclear Regulatory Commission (NRC) for Vogtle Electric Generating Plant Units 3 and 4, Combined License Nos. NPF-91 and NPF-92 (ADAMS Accession No. ML17355A416). The NRC staff is reviewing the request to enable the staff to reach a conclusion on the safety of the proposed changes.

The NRC staff has identified that additional information is needed to continue the review. The staff's request for additional information (RAI) is contained in the attachment to this email.

To support the review schedule, you are requested to respond within 30 days of the date of this email. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, you may contact me at 301-415-1035.

Sincerely,

Donald Habib, Project Manager
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors
301-415-1035

Hearing Identifier: Vogtle_COL_Docs_Public
Email Number: 261

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Subject: RAI Transmittal for Vogtle 3 & 4 LAR 17-037 (RAI LAR 17-037-4)
Sent Date: 4/23/2018 3:01:59 PM
Received Date: 4/23/2018 3:02:03 PM
From: Habib, Donald

Created By: Donald.Habib@nrc.gov

Recipients:

"neil.haggerty@excelservices.com" <neil.haggerty@excelservices.com>

Tracking Status: None

"Patel, Chandu" <Chandu.Patel@nrc.gov>

Tracking Status: None

"Vogtle PEmails" <Vogtle.PEmails@nrc.gov>

Tracking Status: None

"Dixon-Herrity, Jennifer" <Jennifer.Dixon-Herrity@nrc.gov>

Tracking Status: None

"ptapscot@southernco.com" <ptapscot@southernco.com>

Tracking Status: None

"Chamberlain, Amy Christine" <ACCHAMBE@southernco.com>

Tracking Status: None

"WASPARKM@southernco.com" <WASPARKM@southernco.com>

Tracking Status: None

"Redd, Jason P." <JPREDD@southernco.com>

Tracking Status: None

"Amundson, Theodore Edwin" <X2TAMUNS@southernco.com>

Tracking Status: None

"Hicks, Thomas E." <X2TEHICK@southernco.com>

Tracking Status: None

Post Office: SN4PR0901MB2173.namprd09.prod.outlook.com

Files	Size	Date & Time	
MESSAGE	1222	4/23/2018 3:02:03 PM	
SCVB RAI LAR 17-037-04 RAI_9537 As Issued 04-23-2018.docx			26594

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Request for Additional Information – LAR 17-037-4

Issue Date: 04/23/2018

Application Title: VEGP Units 3 and 4 - LARs

Operating Company: Southern Nuclear Operating Co.

Docket No. 52-025 and 52-026

The process for changes and departures from Tier 2* information is provided, in part, in 10 CFR Part 52 Appendix D Section VIII.B.6.b (i.e., Tier 2* matters that do not expire at full power) and states that departures from Tier 2* will be treated as a license amendment request and require prior staff review and approval.

SECY-17-0075 (ML16196A321) provides regulatory insights regarding Tier 2* content. Per SECY-17-0075, the purpose of the Tier 2* designation is to control certain information which the staff has determined to have safety significance commensurate with Tier 1 information. Any modification to the Tier 2* change process must still ensure that information with safety significance commensurate with that of Tier 1 information is controlled in a similar manner (e.g. changes to such information require prior staff review and approval).

Part 52 Appendix D, Section VIII.B.6.b Item (7), "Screen design criteria," (for containment sump screens) is one of the items designated as Tier 2* information for the AP1000 design. LAR 17-037 proposes to evaluate departures from item (7) in part by applying a screening criterion identified as Qualifying Criterion 4, "[a]dversely affects the debris screen design criteria."

LAR 17-037 Enclosure 1 provides screening guidance used to assess if a proposed change is adverse with respect to Qualifying Criterion 4. Specifically, "[a]n adverse change is any change that would be considered a non-conservative change of a debris value established in the UFSAR" and "[a]n adverse change would be any change that changes any element of the evaluations used to determine the design of the debris screens."

The staff requests that the applicant provide the following information in the LAR:

1. Identify the DCD/UFSAR Section(s) which contain(s) information subject to LAR 17-037 Qualifying Criterion 4 and associated guidance.
2. Identify the debris value(s) that are subject to Qualifying Criterion 4.
3. State how you would evaluate (e.g., in the Qualifying Criterion 4 bases section) any relaxation of the debris values identified in response to item (2) above and state whether each relaxation adversely affects the debris screen design criteria, including in-vessel debris effects on long-term core cooling. Explain the basis for your conclusion regarding each relaxation, whether adverse or not adverse.
4. Identify a) the elements of the evaluations, other than debris values, used to determine the design of the debris screens that are subject to Qualifying Criterion 4 and b) the debris screens that are subject to Qualifying Criterion 4.
5. State how you would evaluate (e.g., in the Qualifying Criterion 4 bases section) any relaxation to any element of the evaluations used to determine the design of the debris screens associated with item 4) above (other than debris values) and state whether each relaxation adversely affects any element of the evaluations used to determine the design of the debris screens. Explain the basis for your conclusion regarding each relaxation, whether adverse or not adverse.

6. Revise license condition 2.D.(13)(a)4 (i.e., Qualifying Criterion 4) to include containment debris limits in addition to debris screen design criteria.

As part of the response, provide a markup of the LAR to reflect this information request or describe in detail why it is not necessary.