

## Vogle PEmails

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**From:** Habib, Donald  
**Sent:** Thursday, April 12, 2018 5:40 PM  
**To:** ptapscot@southernco.com; Chamberlain, Amy Christine;  
WASPARKM@southernco.com  
**Cc:** neil.haggerty@excelservices.com; Patel, Chandu; Vogtle PEmails; Dixon-Herrity, Jennifer  
**Subject:** RAI Transmittal for Vogtle 3 & 4 LAR 17-037 (RAI LAR 17-037-3)  
**Attachments:** MCB RAI LAR 17-037-03 RAI\_9477 As Issued 04-12-2018.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:** 254

**Mail Envelope Properties** (DM5PR0901MB2166E38E2F90018DF4C7AC5A97BC0)

**Subject:** RAI Transmittal for Vogtle 3 & 4 LAR 17-037 (RAI LAR 17-037-3)  
**Sent Date:** 4/12/2018 5:39:47 PM  
**Received Date:** 4/12/2018 5:39:54 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>  
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"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

**Post Office:** DM5PR0901MB2166.namprd09.prod.outlook.com

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MESSAGE	1227	4/12/2018 5:39:54 PM	
MCB RAI LAR 17-037-03 RAI_9477 As Issued 04-12-2018.docx			27467

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

## **Request for Additional Information LAR 17-037-3**

Issue Date: 04/12/2018

Application Title: Vogtle Nuclear Site, Units 3 and 4, LAR 17-037

Operating Company: Southern Nuclear Operating Co.

Docket No. 52-0025 and 52-0026

Review/Application Section: Not Applicable

By letter dated December 21, 2017, Southern Nuclear Operating Company, Inc. (SNC), submitted License Amendment Request (LAR) 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 LAR requests NRC approval of a proposed license condition that would allow departures from Tier 2\* information without a license amendment by allowing the licensee to evaluate a prospective departure against criteria stated in the proposed license condition.

Enclosure (5) of the referenced LAR provides a summary of an analysis of Tier 2\* matters using the proposed license condition (screening criteria) presented in enclosure (3) of your letter dated December 21, 2017. For "Section VIII.B.6.b (Tier 2\* Matters that Do Not Expire at Full Power)," Item 5, the enclosure states that the reactor coolant pump type is adequately addressed in Tier 1, and therefore no additional screening criteria is required. Also, note that since the enclosure only states that it is adequately addressed by Tier 1, paragraph VIII.B.5 would not be needed since a change in Tier 1 information requires NRC approval. Therefore, per the enclosure, no additional screening criteria is needed since the information is in Tier 1. The NRC staff notes that the analysis provided in Enclosure (5) of the SNC submittal is not correct, since Tier 1 does not specify the type of RCP; but only specifies "sealless reactor coolant pumps." "Sealless reactor coolant pumps" is a generic term that only states that the pump does not have seals, which makes seal failure not a concern. Using the proposed license condition, a different sealless pump type could be used because the pump still meets the "sealless" (shaft seal failure) requirement that is specified as Tier 1. The Tier 2\* information is "canned motor type RCP," which is not addressed in Tier 1. Therefore, Enclosure (5) is not correct since Tier 1 does not adequately address all the essential attributes of the type of pump (i.e., canned motor, wet winding, etc.). However, the essential attributes of the type of pump are included as Tier 2\* information which states "centrifugal sealless pump of canned motor design".

Therefore, since all of the essential attributes of the RCP (i.e., that it be of a canned motor design) are not addressed in Tier 1, the staff requests that the licensee revise the proposed License Condition 2.d (13)(a) in Enclosure (3) to address this essential attribute by adding the following, or explain why it is not necessary:

"5. Results in a change to the RCP type (canned motor design)."