

Vogle PEmails

From: Habib, Donald
Sent: Friday, April 6, 2018 8:04 AM
To: WASPARKM@southernco.com
Cc: neil.haggerty@excelservices.com; Patel, Chandu; ptapscot@southernco.com; Chamberlain, Amy Christine; Vogle PEmails; Dixon-Herrity, Jennifer
Subject: Draft RAI Related to Vogle Units 3 and 4 LAR 17-037 Regarding Tier 2* Departure Process
Attachments: MCB - RAI_9477 for LAR 17-037 Draft to SNC.docx

To All –

Attached is a draft RAI related to Vogle Units 3 and 4 LAR 17-037 regarding the Tier 2* departure process.

If you would like to schedule a clarification conference call to discuss this RAI, please let me know before Noon on Wednesday, April 11, 2018. If no request for a conference call is received, this RAI will be issued as final.

Don Habib
Project Manager
NRO/DNRL, Licensing Branch 4
301-415-1035

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Departure Process
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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
"ptapscot@southernco.com" <ptapscot@southernco.com>
Tracking Status: None
"Chamberlain, Amy Christine" <ACCHAMBE@southernco.com>
Tracking Status: None
"Vogtle PEmails" <Vogtle.PEmails@nrc.gov>
Tracking Status: None
"Dixon-Herrity, Jennifer" <Jennifer.Dixon-Herrity@nrc.gov>
Tracking Status: None
"WASPARKM@southernco.com" <WASPARKM@southernco.com>
Tracking Status: None

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Options

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LAR 17-037

Request for Additional Information – DRAFT

Issue Date:

Application Title: Vogtle Nuclear Site, Units 3 and 4, Dockets 52-0025 and 52-0026

Operating Company: Southern Nuclear Operating Co.

Docket No. 52-0025 and 52-0026

Review Section: NONE - NO SRP SECTION

Application Section:

QUESTIONS

NONE-XX

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)."