

Vogle PEmails

From: Hearn, Peter
Sent: Tuesday, January 23, 2018 9:58 AM
To: Henderson, Ryan Donald
Cc: Vogle PEmails
Subject: RE: RE: LAR-17-021 Clarification Call Attendees
Attachments: Draft RAI for LAR 17-021 AUDIT rev.2.docx

Hi Ryan,

Attached are the RAIs for the upcoming Audit.

Pete

From: Henderson, Ryan Donald [mailto:RDHENDER@SOUTHERNCO.COM]
Sent: Tuesday, January 16, 2018 11:06 AM
To: Hearn, Peter <Peter.Hearn@nrc.gov>
Subject: [External_Sender] RE: LAR-17-021 Clarification Call Attendees

Pete, I'm not in my office today due to the potential ice event in Birmingham, so if there is any update on the upcoming RAIs for the subject LAR, please call me on my cell.

Thanks,

Ryan Henderson
Licensing
Office: 205-992-6426
Cell: 205-613-0342

From: Hearn, Peter [mailto:Peter.Hearn@nrc.gov]
Sent: Wednesday, December 13, 2017 7:56 AM
To: Henderson, Ryan Donald <RDHENDER@SOUTHERNCO.COM>
Subject: RE: LAR-17-021 Clarification Call Attendees

Ryan,

NRC attendees were: Raul Hernandez, Hanry Wagage. And me.

We are working on the Audit and will let you when it is available.

Pete

From: Henderson, Ryan Donald [mailto:RDHENDER@SOUTHERNCO.COM]
Sent: Tuesday, December 12, 2017 4:40 PM
To: Hearn, Peter <Peter.Hearn@nrc.gov>
Subject: [External_Sender] LAR-17-021 Clarification Call Attendees

Pete,

The attendees on our side were as follows:

SNC	WEC
Wes Sparkman	Jonathan Durfee
Ryan Henderson	Mike Patterson
Brad Chamberlain	Jimmy Hennen

Please let me know any more information you may have regarding the planned audit of the supporting documents for this LAR review. I want to make sure that we get that completed ASAP in case any other RAIs are required based on their review.

Thanks for your help in getting this call set up!

Ryan Henderson

Licensing

Office: 205-992-6426

Cell: 205-613-0342

Hearing Identifier: Vogtle_COL_Docs_Public
Email Number: 207

Mail Envelope Properties (MWHPR0901MB2186760F22F891553167CCFAFDE30)

Subject: RE: RE: LAR-17-021 Clarification Call Attendees
Sent Date: 1/23/2018 9:57:41 AM
Received Date: 1/23/2018 9:57:45 AM
From: Hearn, Peter

Created By: Peter.Hearn@nrc.gov

Recipients:

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

Tracking Status: None

"Henderson, Ryan Donald" <RDHENDER@SOUTHERNCO.COM>

Tracking Status: None

Post Office: MWHPR0901MB2186.namprd09.prod.outlook.com

Files	Size	Date & Time
MESSAGE	1882	1/23/2018 9:57:45 AM
Draft RAI for LAR 17-021 AUDIT rev.2.docx		21233

Options

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

Question 1:

The NRC regulations in 10 CFR 50.90 state that whenever a holder of a license desires to amend the license, an application for an amendment must be filed with the Commission fully describing the changes desired, and following as far as applicable, the form prescribed for original applications. The NRC regulations in 10 CFR 52.98(c) state, in part, that if the COL references a certified design, then changes to or departures from information within the scope of the referenced design certification rule are subject to the applicable change procedures in that rule. Section VIII, Processes for Changes and Departures, in 10 CFR Part 52, Appendix D, describes the procedures for changes to Tier 1 and Tier 2 information within the scope of the AP1000 design certification.

As part of the AP1000 design evaluation, the staff reviewed the spent fuel pool (SFP) thermal analysis and concluded that the SFP and its cooling system meets the requirements of GDC 61. In "Request for License Amendment and Exemption: Changes to Containment Cooling and Spent Fuel Pool Makeup Strategies (LAR-17-021)," the licensee proposes to revise plant-specific Tier 1 (and COL Appendix C) and the Technical Specifications.

On page 8 of Enclosure 1 to LAR-17-021, the licensee states that the SFP cooling thermal analysis has been revised. However, the staff finds that what is presented in the LAR doesn't address some key parameters related to the ability to keeping the SFP cool.

The licensee is requested to clarify how the revised SFP cooling thermal analysis impacts:

- time to boil for the different scenarios,
- boil-off rates for the different scenarios,
- minimum time to take manual action in order to establish SFP makeup flow from the PCCWST and/or the CWP
- required water makeup flow

LAR 17-021 should be modified accordingly.

Question 2:

The NRC regulations in 10 CFR 50.90 state that whenever a holder of a license desires to amend the license, an application for an amendment must be filed with the Commission fully describing the changes desired, and following as far as applicable, the form prescribed for original applications. The NRC regulations in 10 CFR 52.98(c) state, in part, that if the COL references a certified design, then changes to or departures from information within the scope of the referenced design certification rule are subject to the applicable change procedures in that rule. Section VIII, Processes for Changes and Departures, in 10 CFR Part 52, Appendix D, describes the procedures for changes to Tier 1 and Tier 2 information within the scope of the AP1000 design certification.

Table 2 on page 8 of Enclosure 1 presents changes to Tier 1 Table 2.3.7-4 ITAAC Item 7.b.i. In this table the licensee takes credits for the volume of water previously dissipated by both gate. It is not clear to the staff how this volume of water is made available,

The licensee is requested to justify how this volume of water is made available in the revised thermal analysis.

LAR 17-021 should be modified accordingly.