

NRR-PMDAPEm Resource

From: Regner, Lisa
Sent: Tuesday, May 10, 2016 8:26 AM
To: Sterling, Lance
Cc: Regner, Lisa
Subject: RE: Control Rod D6 LAR

Lance,

Thanks. Let me know what your availability is the afternoons of 5/10 (today) through 5/12 (Thursday) for a call on the CR D-6 LAR. See below discussion topics. I'm not sure yet from our end who will be on the call, so the timeframes may be more restrictive once I get our management coordinated.

Thanks,
Lisa

- An explanation of how the value for a bounding key safety parameter was initially derived/determined for input into the safety analyses. For example, the bounding shutdown margin originally input into the safety analyses was $1.3\%\Delta\rho$. Explain how the value of 1.3 was initially determined. The key safety parameters include the following:
 - MTC/Moderator Density Coefficient (MDC)
 - Shutdown Margin
 - Trip Reactivity
 - Uncontrolled boron dilution accident
 - Dropped bank during full power operations
 - Steam line break accident
 - Control rod ejection accident
 - Steam generator tube rupture

Confirm that if these key safety parameters are impacted by the removal of the control rod that the new value for the key safety parameter would be rerun through the analysis to determine the new result.

- Provide summaries of the evaluations performed from the supporting calculations/documentation for each of these UFSAR Chapter 15 events analyzed and provide the reference number for those.
- Provide an explicit discussion for each safety analysis methodology regarding the assumptions made when developing the methodology for symmetric vs asymmetric control rod patterns (i.e., that would result from operation with one control rod removed). If no assumptions were made or if it was assumed that the control rod pattern was symmetric, a discussion of why that methodology is still applicable given the proposed new plant configuration.
- Provide a discussion of any evaluations that have been performed under 50.59, if applicable, as a result of a removal of a control rod that may impact or may have impacted the analyses discussed above.

Lisa Regner

Sr. PM

NRR/DORL/LPL4-1

301-415-1906

From: Sterling, Lance [mailto:lsterling@STPEGS.COM]

Sent: Tuesday, May 10, 2016 8:18 AM

To: Regner, Lisa

Subject: [External_Sender] Control Rod D6 LAR

Lisa,

I talked to Drew and understand that you are going to asset up a phone call to discuss the LAR.
What can I do to help?

Lance

Hearing Identifier: NRR_PMDA
Email Number: 2835

Mail Envelope Properties (9a6f94c85752435cb5f8ef9d1c6b4a7f)

Subject: RE: Control Rod D6 LAR
Sent Date: 5/10/2016 8:25:42 AM
Received Date: 5/10/2016 8:25:42 AM
From: Regner, Lisa

Created By: Lisa.Regner@nrc.gov

Recipients:
"Regner, Lisa" <Lisa.Regner@nrc.gov>
Tracking Status: None
"Sterling, Lance" <Isterling@STPEGS.COM>
Tracking Status: None

Post Office: HQPWMSMRS01.nrc.gov

Files	Size	Date & Time
MESSAGE	2375	5/10/2016 8:25:42 AM

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