

Chang, Richard

From: Chang, Richard
Sent: Tuesday, November 30, 2010 8:49 AM
To: Schaperow, Jason
Subject: FW: SOARCA Peach Bottom Status report

FYI.

From: Burns, Shawn [mailto:spburns@sandia.gov]
Sent: Monday, November 29, 2010 2:01 PM
To: Chang, Richard
Subject: FW: SOARCA Peach Bottom Status report

Richard,

Here is some information from Mark regarding Peach Bottom. We can discuss it real time after we talk to Kyle here in a moment. The whitepaper Mark hoped to complete by the 19th has been delayed to this week.

Best regards,

Shawn

From: M.T.Leonard [mailto:] (b)(6)
Sent: Monday, November 29, 2010 10:30 AM
To: Burns, Shawn
Subject: Re: SOARCA Peach Bottom Status report

Shawn --

I don't know how 'detail' you're looking for, but here is the status:

- (1) I am not aware of any new calculations that need to be performed. One new calculations was performed after the telecom in November. This was a long-term SBO with a 50% stochastic failure probability. The calculation is complete, but results have not yet been aggregated into the matrix of sensitivities. New work on calculations has primarily focused on developing a technical basis for explaining the change in release fractions for barium. Results of this work have been forwarded to Charlie and Jason, with a few brief telephone conversations on Wednesday last week. There are still several open questions about the findings, primarily because very limited data is available from MELCOR regarding ex-vessel releases of fission products. The bottom line is that we have a reasonable explanation of why the results are different, but cannot explain why changing SRV failure criteria would create the conditions that led to this difference. I think we've gone as far as we can go on this topic without engaging the code developers to dig into details of ex-vessel models.
- (2) I am working on the 'white paper' on SRV failure modeling and hope to issue an update to Jason for review this week. They agree that this paper will eventually form the basis for an updated version of Appendix A. They want to 'see' a proposal for precisely how the white paper information will be used to prepare a new Appendix A before writing actually starts. Their primary concerns areas twofold. First, they want to reach some agreement on which of the sensitivity cases will Be included. For example, they are not too keen on presenting any of the MSL creep rupture cases, since they feel they are very low probability. Second, they want to reach some agreement on how the changes to the original results (i.e., adjustments made in response to peer Review comments) will be incorporated into the document.

(3) I fully expect resolution of the 'plan' for building a new Appendix A to take a couple of weeks. Charlie is out until middle of next week, and I will return on the 13th. Therefore, developing an acceptable plan could take us to Christmas. Actually generating a new appendix would take 2 to 4 weeks, depending on how much detail they require in explaining changes in results from old-not-new, in addition to a re-crafted description of new results.

Please let me know if I've missed the boat on your questions.

Mark

Sent from my iPad

On Nov 29, 2010, at 16:44, "Burns, Shawn" <spburns@sandia.gov> wrote:

Mark,

Can you send me a detailed status report on the SOARCA Peach Bottom calculations since our last teleconference on November 15? The NRC is trying to baseline a new schedule this week and needs to know:

1. What calculations are currently being worked on and/or need to be started
2. What is the status of any associated documentation
3. Based on the best information you have available how long do you think it will take you to complete the work that is still on the plate

Ideally I would like to discuss this real time but I don't know if you will be available before Thursday. I must be out of the office tomorrow.

Best regards,

Shawn

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