

**From:** Andrew Howe  
**To:** gary.D.Miller@Dom.com  
**Date:** 7/12/2007 2:36:52 PM  
**Subject:** Re: SURRY RAI RESPONSE

Gary - I am only asking for a response to the one (latest) question, which effectively combines a and f. Given what was said in the call regarding conservatisms in the control room evacuation assumptions, I do not need details about the methods of shutting down the plant remotely. Questions b, c, d, and e are therefore not needed for my safety evaluation. Hopefully, this simplifies things.

Andrew J Howe  
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Division of Risk Assessment  
301-415-3078

>>> <Gary.D.Miller@dom.com> 7/12/2007 1:46 PM >>>

At the risk of beating a dead horse (and in licensing there is no horse so dead that you can't beat it some more), I was a little bit confused by Andrew's comment below. Is it Andrew's expectation that we respond to previously provided questions a and f and the additional RAI question (three responses)? The reason I ask is that Andrew mentions "b through e" as not needing to be answered and then states that questions "a through e" can be replaced by the new question, thus requiring a response to only the new question and the previous question f (two responses)? Also, it appears that the new question would effectively address all of the previous a-f questions.

I realize that I am probably overthinking this; however, three of us have read the email and each of us has come to a different conclusion as to what should be included in our RAI response. Just want to make sure that we are providing the right information to Andrew.

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"Siva Lingam"  
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07/12/2007 11:29  
AM

To  
<[gary.D.Miller@Dom.com](mailto:gary.D.Miller@Dom.com)>

cc  
"Andrew Howe" <[AJH1@nrc.gov](mailto:AJH1@nrc.gov)>

Subject  
Re: SURRY RAI RESPONSE

Please note the Andrew's comments/suggestions when you are providing responses.

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>>> Andrew Howe 7/12/2007 10:45 AM >>>

Considering what was said in the call, I think a limited response may be more appropriate. If the licensee responded to questions a and f, on why the PRA model is conservative by assuming control room abandonment (i.e., actual expected temperatures and equipment qualification, procedures for use of alternate cooling at lower temperatures, availability of backup chillers not credited in the PRA), then responses to b - e would not be necessary to support the SE. I would propose the formal additional RAI to replace questions a - e:

The licensee's PRA model assumes that for a loss of MCR cooling, the MCR would be abandoned and the plant would be shut down from the ASP. The licensee should describe why this PRA assumption is conservative, addressing the anticipated temperature transient in the control room, equipment qualification of the MCR components, and the availability and procedural controls for alternate cooling capabilities not assumed to be used in the PRA.

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>>> Siva Lingam 7/3/2007 1:45 PM >>>

Attached please find additional RAIs Andrew wants to discuss with a conference call. Please give me a call.

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>>> Andrew Howe 7/3/2007 1:37 PM >>>

I have reviewed Surry's 6/28 response to APLA's RAI. Some additional clarifications are still required, and perhaps a phone call might be appropriate:

6/5/07 RAI

a - Is control room abandonment for high temperature conditions proceduralized and trained, and what is the cue(s) for abandonment? Is the control room equipment qualified up to the temperature at which abandonment occurs, or are equipment failures possible due to high temperatures prior to abandonment?

b - Why is RCP seal integrity not a requirement for a remote safe shutdown?

c - Is a long term AFW supply available to maintain hot standby conditions without transition to cold shutdown and RHR cooling?

d - What is changed in the ESGRs such that less cooling is required depending upon the control staff location?

e - What probability is used for successful transfer to the ASP, and what is the basis for that probability?

f - Would the nonsafety chillers in fact be available and used rather than control room abandonment (i.e., is this a conservative assumption, or does it reflect actual plant limitations)?

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**CC:** Siva Lingam

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**Creation Date** 7/12/2007 2:36:44 PM  
**From:** Andrew Howe  
**Created By:** AJH1@nrc.gov

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