

From: Foyto, Leslie P. [FoytoL@missouri.edu]
Sent: Friday, May 27, 2011 4:20 PM
To: Adams, Alexander
Cc: McKibben, J. Charles; Fruits, John L.; Butler, Ralph
Subject: MURR 45-Day and 120-Day Relicensing RAIs

Mr. Al Adams,

This email is a follow up to our telephone conversation that occurred on Thursday, May 26th, regarding our efforts towards completing the relicensing RAIs. We are formally requesting an extension to August 31st to answer the remaining the 45-day and 120-day RAIs.

As you are aware, since the beginning of this year, a significant amount of resources have been directed to correct a discrepancy that was discovered in our current Safety Limit analysis while answering a relicensing RAI. The new analysis, which has been performed in collaboration with Argonne National Lab, has taken much longer than what we had originally anticipated. In order to validate and improve the numerical hydraulic assumptions in the original Safety Limit analysis performed by the NUS Corporation, actual flow and pressure drop measurements – with the core loaded with fuel and unloaded – were performed. The benchmarked hydraulic modeling results in a lower reactor core outlet pressure, which is more conservative than had originally been assumed. We are just now completing the analysis with the improved modeling and should have the License Amendment submitted within the next few days. Although the Safety Limits will be revised slightly, no changes to our current Limiting Safety System Settings are required. We have also reviewed the responses that we have already submitted that are affected by the revised peaking factors in the new Safety Limit analysis. The following RAIs will need to be resubmitted based on the revised Safety Limit analysis:

- 13.2.a through 13.2.c Accident Initiating Events and Scenarios Answers submitted 12/3/10
- 4.18.a through 4.18.c Safety Limit Analysis Answers submitted 9/30/10
- 4.13.a thru 4.13.i. Nuclear Design Answers submitted 8/31/10
- 4.17.a Steady State Forced Cooling Answer submitted 8/31/10

Additionally, extensive RELAP code work will be required to answer some of the remaining RAIs. We will of course submit responses earlier as they are completed. Thank you in advance for your consideration and please let me know if you have any questions.

Les Foyto

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