

From: Guzman, Richard
Sent: Tuesday, June 15, 2010 12:41 PM
To: Darling, Theresa H
Cc: Dosa, John J
Subject: NMP2 EPU Follow-up RAIs - Reactor Systems

Theresa,

Please see follow-up RAI questions below. If necessary, we can look to have a phone call this Thursday for any clarification(s) needed to respond to the questions.

Thanks,
Rich

-----Follow-up RAIs to June 3, 2010 NMPNS RAI Response Letter re: NMP2 License Amendment Request for EPU Operation-----

1. Regarding NMPNS response to NMP2-SRXB-RAI-5: Please submit the MCNP01A validation document to support the completion of the NRC staff's safety evaluation and review.
2. Regarding NMPNS response to NMP2-SRXB-RAI-5: Simply stating that "[f]ission products benchmarks were not available and thus were not included in the validation set," is not appropriate. Table 12 of NEDC-33374P, Rev. 3, "Safety Analysis Report for Fuel Storage Racks Criticality Analysis for ESBWR Plants," addresses the validation gaps associated with fission products and actinides. Address these validation gaps for NMP2.
3. Regarding NMPNS response to NMP2-SRXB-RAI-9: Table 12 of NEDC-33374P, Rev. 3, "Safety Analysis Report for Fuel Storage Racks Criticality Analysis for ESBWR Plants," included a rack sliding bias of approximately 1500 pcm. The NRC staff understands that the ESBWR criticality analysis also assumed a no leakage condition. Please provide a discussion explaining why the NMP2 analysis does not need to account for this bias.

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