

NRR-PMDAPEm Resource

From: Wang, Alan
Sent: Tuesday, September 17, 2013 11:56 AM
To: 'DAVANT, GUY H'
Subject: FW: Questions on GGNSEPU- RSD-90 day Report (Rev. 1)

Guy, will you need this formally at some point. Alan

From: Basavaraju, Chakrapani
Sent: Tuesday, September 17, 2013 11:49 AM
To: Wang, Alan
Cc: Shah, Vikram N. (vnshah@anl.gov); Stephen Hambric; Samir Ziada; McMurtray, Anthony
Subject: Questions on GGNSEPU- RSD-90 day Report (Rev. 1)

Alan,
In yesterday's (9/16/13) conference call with Entergy, the licensee informed the NRC that there is an error in the response to ESBWR RAI, and that the information in GGNS 90-day report is correct. GEH will correct the RAI response to ESBWR RAIs around October 10, 2013. It is noted that ESBWR utilizes GGNS EPU data. After responding to ESBWR RAIs, GEH will provide responses to Entergy on any questions related to Grand Gulf. The following are the questions on GGNS report.

GGNS EPU-Steam Dryer 90-Day Report R1:.
Entergy letter GNRO-2013/00051 dated August 1, 2013 with **Attachments 1 and 2**
NEDC-33765 Supplement 4P Revision 1

Question 13: The licensee is requested to provide data supporting the claim made in the EPU report that an end-to-end benchmarking of on-dryer strain gage data shows a worst-case under-prediction of 14% at Sensor S3, which is less than the 38% margin in the final MASR.

Question 14: Figure 1 of the EPU report provides histogram for different strain sensors at EPU. The licensee is requested to provide the histogram data for less than 10^8 cycles in a table form for frequency range: $0-10^5$, 10^5-10^6 , 10^6-10^7 , and 10^7-10^8 cycles.

Question 15: The licensee is requested to address if the high amplitude of the low-frequency stresses as measured by strain gages (S2 and S3) on skirt are caused by the presence of internal pressure sources. Strain gages (S2, S3) on skirt show low-frequency component but the one on hoods (S5) does not. Please evaluate and explain coherences between the pressure sensors on the skirt and those on the hood.

Thanks

Pani

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