U.S. EPR FSAR SECTIONS 3.7 and 3.8
RAI RECONCILIATION LIST

The following RAI responses are potentially impacted by the civil/structural re-plan activities. These responses will be screened during the development of the noted open RAIs. If a updated response is warranted, the response to the open RAI response will include the update, including a cross-reference to the original RAI response.

Batch #	RAI Number	Description of Change	MAPPED TO OPEN RAI	STATUS
None	NA	Split of Superstructure and Basemat models	RAI 371 Question 03.07.02-*69*	*OPEN*
155	03.08.03-10	Static Model (100-40-40 to SRSS)	RAI 376 Question 03.08.03-24	*COMPLETE*
248	03.07.02-55			*COMPLETE*
291	03.07.02-62			*COMPLETE*
190	03.08.01-28	Static Model (Elimination of modification factors)	RAI 376 Question 03.08.01-48	*COMPLETE*
222	03.08.03-18			*COMPLETE*
291	03.07.02-61			*COMPLETE*
130	03.07.02-08	NI Stability Analysis	RAI 376 Question 03.08.05-24	*OPEN*
130	03.07.02-22			*OPEN*
248	03.07.02-53			*OPEN*
130	03.07.02-20	NAB Stability Analysis	*RAI 370 Question 03.07.02-64*	*OPEN*
130	03.07.02-28			*OPEN*
248	03.07.02-53			*OPEN*

The following RAI responses will be affected due to converting the analytical method used to qualify the U.S. EPR from the surface founded stick model to an embedded finite element model. The replacement response will be annotated as part of the response to RAI 320 Question 03.07.02-63.

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Batch #	RAI Number	Description of Change	Follow-up RAI#
35	02.05.02-01	Number of generic soil profiles changed. Bell Bend upper bound, best estimate and lower bound soil profiles are added.	
35	02.05.02-02	Number of generic soil profiles changed. Bell Bend upper bound, best estimate and lower bound soil profiles are added.	
35	02.05.04-02	New dynamic bearing pressures will be reported as a result of the embedded FEM SSI analyses.	
130	03.07.01-11	Stresses based on embedded FEM results need to be reevaluated.	
201	03.07.01-19	Embedment will be considered.	
215	03.07.01-21	Number of generic soil profiles changed. Bell Bend upper bound, best estimate and lower bound soil profiles are added.	
215	03.07.01-24	CSDRS will include Bell Bend GMRS.	
248	03.07.01-25	Stresses based on embedded FEM results will be re-evaluated	
130	03.07.02-01	MTR/SASSI is used for the embedded FEM SSI analysis in lieu of SASSI 4.1B	
130	03.07.02-02	Number of generic soil profiles changed. Bell Bend upper bound, best estimate and lower bound soil profiles are added.	
130	03.07.02-03	Surface-founded stick model is replaced with embedded FEM for the SSI analysis.	
130	03.07.02-04	Surface-founded stick model is replaced with embedded FEM for the SSI analysis. (Basemat flexibility).	
130	03.07.02-05	Surface-founded stick model is replaced with embedded FEM for the SSI analysis. (Basemat flexibility).	
130	03.07.02-06	Surface-founded stick model is replaced with embedded FEM for the SSI analysis. (Basemat flexibility).	
130	03.07.02-08	Non-linear analyses replaced with an embedded finite element model	
130	03.07.02-09	Embedded FEM is used (coupled rather than decoupled).	
130	03.07.02-13	Surface-founded stick model is replaced with embedded FEM for the SSI analysis.	
130	03.07.02-14	NAB is an embedded model.	
130	03.07.02-15	Embedment will be considered.	
130	03.07.02-16	Plan to crack all slabs in FEM.	
130	03.07.02-20	Response to item c is affected to reflect embedded model effects.	

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Batch #	RAI Number	Description of Change	Follow-up RAI#
130	03.07.02-22	Stability analysis results will be based on embedded FEM.	
130	03.07.02-24	Number of generic soil profiles changed. Bell Bend upper bound, best estimate and lower bound soil profiles are added.	
130	03.07.02-25	Highest frequency of interest is 50Hz per ISG-1	
130	03.07.02-26	Forces and moments may need to be revised.	
130	03.07.02-34	Number of generic soil profiles changed. Bell Bend upper bound, best estimate and lower bound soil profiles are added.	
201	*03.07.02-35*	*Reconciliation RCS seismic analysis*	
201	03.07.02-37	See Q03.07.02-60	
215	03.07.02-39	Results will be updated based on FEM.	
215	03.07.02-41	Surface-founded stick model is replaced with embedded FEM for the SSI analysis.	
248	*03.07.02-44*	*Frequency transmission characteristics of the NI seismic model*	
248	03.07.02-45	Modeling the basemat in detail.	
248	*03.07.02-46*	*Modeling of flexible floors and walls*	
248	*03.07.02-50*	*Seismic model of the NAB*	
248	*03.07.02-52*	*Determining ISRS for flexible walls and floors*	
248	03.07.02-55	Clarify how outputs from FEM will be presented.	
291	*03.07.01-26*	*Modeling of embedment effects and SSSI*	
108	03.07.03-07	High frequency due to Bell Bend.	
155	03.08.01-13	MTR/SASSI is used for the embedded FEM SSI analysis in lieu of SASSI 4.1B	
155	*03.08.01-20*	*Add vent stack & tendon gallery to critical sections*	
190	03.08.01-28	SSI results will change.	
283	03.08.01-38	Soil pressures from SASSI should be used.	
155	03.08.05-04	Results will change due to FEM model.	
155	03.08.05-08	Minimum factor of safety changes.	
155	03.08.05-09	Number of generic soil profiles changed. Bell Bend upper bound, best estimate and lower bound soil profiles are added.	
155	03.08.05-10	Bearing pressures change.	