ArevaEPRDCDocsPEm Resource

From: Wunder, George

Sent: Wednesday, February 12, 2014 2:27 PM ArevaEPRDCDocsPEm Resource

Subject: FW: AREVA EPR RAI 583 response review of tier 2 star 2-11-14 Rev 2.docx

From: Miernicki, Michael

Sent: Wednesday, February 12, 2014 2:23 PM

To: HOTTLE Nathan (AREVA) **Cc:** Wunder, George; Eudy, Michael

Subject: FW: AREVA EPR RAI 583 response review of tier 2 star 2-11-14 Rev 2.docx

Nathan, see comments attached below, on AREVA's RAI 583 response, for discussion on tomorrow's public meeting/telecon.

Mike

Michael J. Miernicki Sr. Project Manager NRC/NRO/DNRL/LB1 301-415-2304

From: Istar, Ata

Sent: Wednesday, February 12, 2014 2:12 PM

To: Miernicki, Michael

Cc: Xu, Jim; Braverman, Joseph I (<u>braverman@bnl.gov</u>); Park, Sunwoo

Subject: AREVA EPR RAI 583 response review of tier 2 star 2-11-14 Rev 2.docx



AREVA EPR RAI 583 response rev...

Mike:

Attached file lists some of the clerical comments on the response of RAI 583, Question 03.08.03-25. I believe it would be appropriate to provide this file to the applicant <u>today</u>, which may expedite tomorrow's teleconference call!

THANKS.

Ata ISTAR

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 Wunder, George

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Recipients:

"ArevaEPRDCDocsPEm Resource" < ArevaEPRDCDocsPEm.Resource@nrc.gov>

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DRAFT

AREVA EPR – Review of AREVA Response to RAI 583, Supplement 2, Question 3.8.3-25 From AREVA Electronic Reading Room Documentation Relates to designating Tier 2* information for key structural design codes NRC Feedback 2-11-14, Rev. 2

pdf	FSAR	Section	Feedback on Tier 2* related changes made in markups (not other
page	page		changes made in markups). AREVA should confirm if the below noted items also appear in other locations in the FSAR.
11	1.9-22	Table 1.9-2	RG/Rev 1.199, 11/2003: ACI 349-806 should be 349-06.
			For all pages that have Tier 2* information, should have some type of statement at the bottom of the page or end of the section denoting something like: *This information is Tier 2* and NRC approval is required prior to implementing any changes.
12, 13 & 14	3.2-49, 3.2-51 & 3.2- 213	Table 3.2.2-1	Why isn't ACI349/349R-01 along with footnote 26 (which gives the edition) Tier 2*?
17	3.5-18	3.5.3.3	"[Safety related steel structures N690,]* Reference 4." Should be "Safety related steel structures N690 (Reference 4).]* in order to identify the version/edition of N690 as was done for the other Tier 2* codes.
20 & 21	3.7-123 & 3.7- 171	3.7.2.8 & Table 3.7.2-30 including footnote 3	Although not Tier 2*, since identifying "AISC N-690-1994," should be complete and consistent with the other entries for N-690 by indicating "ANSI/AISC N-690 1994 including Supplement 2"
23	3.8-6	3.8.1.1.3	For BC-TOP-01, should not strike out "-01"; it should read "BC-TOP-1" as in Reference 68.
24	3.8-7	3.8.1.2.1	8 th bullet: The phrase "with the exception of Condition A strength reduction factors even when supplemental reinforcement is provided" should be placed back as part of the Tier 2* sentence because this is a unique deviation from the ACI 349 Code that is not covered by an NRC Regulatory Guide.
		3.7.2.16	Section 3.7.2.16 – References, at the end of 3.7.2 should include ACI 349 and N690 since it is used in Section 3.7.2.
35	3.8-26	3.8.1.4.11	1 st paragraph begins with "(Reference 1)]*." Previous page not provided and it appears that this phrase is in the wrong location in the sentence.
35	3.8-26	3.8.1.4.11	2 nd paragraph. This is not a Tier 2* item. However, the following sentence was struck out: "The radial ribs on the sleeve serve as buckling stiffeners for the hatch sleeve and are designed to carry axial force that exceeds 2.5 times the design pressure." Why was this deleted? There are a number of other changes made to the various sections that are not related to Tier 2*,and so, these will need to be reviewed separately at some other time for acceptance.
50	3.8-49	3.8.2.4	Under Equipment Hatch, last paragraph: The use of ASME Code Case N-

			284-1 should remain as Tier 2* since it is an important supplemental criteria for evaluation of buckling that has caused difficulties in past reviews and based on past precedence in other licensing applications. This occurs in several other sections too.
54 & 55	3.8-67	3.8.3.2.1 &	Same as above for pdf page 24.
34 & 33	& 3.8-	3.8.3.2.3	Same as above for par page 24.
	68	3.6.3.2.3	
59	3.8-74	3.8.3.3.2	1 st bullet: "For concrete members in ACI 349." Should be revised to
			match designation of "ACI 349/349R-01 (Reference 12)." as was done elsewhere.
61	3.8-76	3.8.3.4	3 rd par: Same as above for pdf page 24.
64	3.8-80	3.8.3.4.2	3 rd par: "[Design of concrete embedments]* with the exception stated
04	3.8-80	3.0.3.4.2	in Section 3.8.1.2.1" Similar to item above for pdf page 24.
			Last par on page: Similar to above.
67	3.8-85	3.8.3.5	2 nd par: Same as above item for pdf page 64
			3 rd versus 5 th par: Sometimes ANSI/AISC N690 including Supplement 2 (Reference 14) is used and at other times ANSI/AISC N690 (Reference 14) is used. Although, Reference 14 does include the Supplement 2 the text
			should be consistent throughout the entire FSAR since it might suggest that where "including Supplement 2" is not indicated in the text, it does not need to be followed.
			5th par: should revise "ACI 349/0349R-01" to ACI 349/349R-01.
72 & 74	3.8-99	3.8.4.2.1 &	Same as above for pdf page 24.
	& 3.8-	3.8.4.2.3	
	101		
77	3.8-108	3.8.4.3.2	1 st bullet: need to revise <i>ACI 349</i> to be consistent with other locations; i.e., <i>ACI 349/349R-01 (Reference 12)</i>
80	3.8-111		Same as above for pdf page 24.
81	3.8-112		Next to last par: "ACI 349" should be consistent with other locations.
		3.8.4.4.1	Markup not provided for page that contains ACI 349. Par begins with
			"Openings in walls and slabs of other Seismic Category I" Wherever ACI
			349 is mentioned then should be consistent with other locations.
85	3.8-122	3.8.4.4.3	Last par: "ACI 349" should be consistent with other locations.
Not			,
completed			
as yet			
as yet	L	L	<u>I</u>