

ArevaEPRDCPEm Resource

From: Tesfaye, Getachew
Sent: Tuesday, December 15, 2009 1:46 PM
To: 'usepr@areva.com'
Cc: Reichelt, Eric; Terao, David; Patel, Jay; Miernicki, Michael; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 338 (4077), FSAR Ch. 3
Attachments: RAI_338_CIB1_4077.doc

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on December 6, 2009, and on December 15, 2009, you informed us that the RAI is clear and no further clarification is needed. As a result, no change is made to the draft RAI with the exception of typographical error correction in Draft RAI Question 03.08.04-8 identified by AREVA. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs, excluding the time period of **December 25, 2009 thru January 3, 2010, to account for the holiday season** as discussed with AREVA NP. For any RAIs that cannot be answered **within 40 days**, it is expected that a date for receipt of this information will be provided to the staff within the 40-day period so that the staff can assess how this information will impact the published schedule.

Thanks,
Getachew Tesfaye
Sr. Project Manager
NRO/DNRL/NARP
(301) 415-3361

Hearing Identifier: AREVA_EPR_DC_RAIs
Email Number: 1032

Mail Envelope Properties (0A64B42AAA8FD4418CE1EB5240A6FED10818D2F1EE)

Subject: U.S. EPR Design Certification Application RAI No. 338 (4077), FSAR Ch. 3
Sent Date: 12/15/2009 1:45:46 PM
Received Date: 12/15/2009 1:47:39 PM
From: Tesfaye, Getachew

Created By: Getachew.Tesfaye@nrc.gov

Recipients:

"Reichelt, Eric" <Eric.Reichelt@nrc.gov>
Tracking Status: None
"Terao, David" <David.Terao@nrc.gov>
Tracking Status: None
"Patel, Jay" <Jay.Patel@nrc.gov>
Tracking Status: None
"Miernicki, Michael" <Michael.Miernicki@nrc.gov>
Tracking Status: None
"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>
Tracking Status: None
"ArevaEPRDCPEm Resource" <ArevaEPRDCPEm.Resource@nrc.gov>
Tracking Status: None
"usepr@areva.com" <usepr@areva.com>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	1034	12/15/2009 1:47:39 PM
RAI_338_CIB1_4077.doc		28154

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Request for Additional Information No. 338 (4077), Revision 1

12/15/2009

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 03.06.03 - Leak-Before-Break Evaluation Procedures

Application Section: 03.06.03

QUESTIONS for Component Integrity, Performance, and Testing Branch 1 (AP1000/EPR Projects)
(CIB1)

03.06.03-27

Follow-up Question to RAI No. 265, Question 03-06-03-24

In response to RAI question 03.06.03-24, AREVA stated that the safety factor of 1.7 for dynamic loads to be applied for leak-before-break (LBB) of the main steam line will be revised to 2.0 due to a decrease in seismic loads based on the application of more accurate, but still conservative, methods of modal combinations as described in RG 1.92 Revision 2. Please provide an explanation as to how using RG 1.92 Revision 2, it was able to achieve the LBB dynamic safety factor of 2.0 for its main steam piping. Specifically, discuss which modal combination method was used previously and which modal combination was used that resulted in lower seismic loads. Also, provide a comparison of the seismic loads for both of these methods.