ArevaEPRDCPEm Resource

From: Pederson Ronda M (AREVA NP INC) [Ronda.Pederson@areva.com]
Sent: Friday, February 20, 2009 3:03 PM
To: Getachew Tesfaye
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 177 (1936), FSARCh. 3
Attachments: RAI 177 Response US EPR DC.pdf

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 177 Response US EPR DC.pdf," provides a schedule since a technically correct and complete response to the question is not provided.

The following table indicates the respective page in the response document, "RAI 177 Response US EPR DC.pdf," that contains AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 177 — 03.09.02-39	2	2

The schedule for a technically correct and complete response to this question is provided below.

Question #	Response Date
RAI 177 — 03.09.02-39	May 29, 2009

Sincerely,

Ronda Pederson
ronda.pederson@areva.com
Licensing Manager, U.S. EPR Design Certification
AREVA NP Inc.
An AREVA and Siemens company
3315 Old Forest Road
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From: Getachew Tesfaye [mailto:Getachew.Tesfaye@nrc.gov]
Sent: Thursday, January 22, 2009 9:43 AM
To: ZZ-DL-A-USEPR-DL
Cc: Arnold Lee; Jennifer Dixon-Herrity; Michael Miernicki; Joseph Colaccino; Meena Khanna; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 177 (1936), FSARCh. 3

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on January 14, 2009, and on January 21, 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. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this

information will be provided to the staff within the 30 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: 238

Mail Envelope Properties (5CEC4184E98FFE49A383961FAD402D31B0D9FC)

Subject: Response to U.S. EPR Design Certification Application RAI No. 177 (1936), FSARCh. 3
Sent Date: 2/20/2009 3:02:38 PM
Received Date: 2/20/2009 3:02:42 PM
From: Pederson Ronda M (AREVA NP INC)

Created By: Ronda.Pederson@areva.com

Recipients:
"BENNETT Kathy A (OFR) (AREVA NP INC)" <Kathy.Bennett@areva.com>
Tracking Status: None
"DELANO Karen V (AREVA NP INC)" <Karen.Delano@areva.com>
Tracking Status: None
"Getachew Tesfaye" <Getachew.Tesfaye@nrc.gov>
Tracking Status: None

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Files	**Size**	**Date & Time**
MESSAGE	2167	2/20/2009 3:02:42 PM
RAI 177 Response US EPR DC.pdf	25962	

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

Response to

Request for Additional Information No. 177 (1936), Revision 0

01/22/2009

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 03.09.02 - Dynamic Testing and Analysis of Systems Structures and Components
Application Section: 3.9.2

QUESTIONS for Engineering Mechanics Branch 2 (ESBWR/ABWR Projects) (EMB2)

Question 03.09.02-39:

EPR FSAR Tier 2, Tables 3A-1 and 3A-2, list the loading combinations for the HVAC ductwork and the HVAC supports, respectively. In RAI 3.9.2-15, the staff requests AREVA to explain why loading and loading combinations for Service Levels B are not required. For Service Level D, explain why it is not required unless a design pressure differential (DPD) load is applicable. Discuss what would be the required loadings and loading combinations to be considered with DPD. The staff also requests AREVA to discuss the methods of combining the dynamic loads (including seismic loads), and the bases of the combinations. By email letter dated September 15, 2008, AREVA stated that the information in the two load combination tables, FSAR Tier 2, Table 3A-1, HVAC Ductwork Load Combinations and Table 3A-2, HVAC Support and Restraint Load Combinations, is similar to the information in Tables SA-4212 and SA-4216 of the ASME AG-1-2003 Code.

AREVA stated that it had formally asked the ASME for a clarification regarding reasons for not requiring load combinations for Level B and not requiring load combinations for Level D unless a design pressure differential (DPD) is applicable. AREVA had also asked the ASME for clarification regarding the combination that would be utilized for Level D if DPD was applicable. The staff requests that AREVA provide a supplemental response when the ASME clarification becomes available.

Response to Question 03.09.02-39:

A response to this question will be provided by May 29, 2009.