

ArevaEPRDCPEm Resource

From: Pederson Ronda M (AREVA NP INC) [Ronda.Pederson@areva.com]
Sent: Tuesday, September 01, 2009 5:49 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); KOWALSKI David J (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 177, FSARCh. 3, Supplement 3
Attachments: RAI 177 Supplement 3 Response US EPR DC.pdf

Getachew,

AREVA NP Inc. provided a response to RAI No. 177 on February 20, 2009 stating that a complete answer could not be provided for the question. Supplement 1 response to RAI No. 177 was sent on May 29, 2009 to provide a partial response and a revised schedule. Supplement 2 response to RAI No. 177 was sent on July 30, 2009 to request a follow-up telecon be held with the NRC in order to clarify an acceptable path forward and provide a revised schedule. This question has been superseded by the formal issuance of RAI 287, Question 03.09.02-61, which provides additional clarification. Therefore, the attached file, "RAI 177 Supplement 3 Response US EPR DC.pdf" provides a technically correct and complete response to the question, as committed.

The following table indicates the respective pages in the response document, "RAI 177 Supplement 3 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

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

This concludes the formal AREVA NP response to RAI 177, and there are no questions from this RAI for which AREVA NP has not provided responses.

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

Lynchburg, VA 24506-0935

Phone: 434-832-3694

Cell: 434-841-8788

From: Pederson Ronda M (AREVA NP INC)

Sent: Thursday, July 30, 2009 4:00 PM

To: 'Tesfaye, Getachew'

Cc: KOWALSKI David J (AREVA NP INC); 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, FSARCh. 3, Supplement 2

Getachew,

In the E-mail providing the Supplement 1 response to RAI 177 on May 29, 2009, AREVA NP requested a follow-up telecon to clarify a successful path forward for the remaining response, RAI 177, Question 03.09.02-39. This telecon has not yet been arranged.

AREVA NP requests that a follow-up telecon be held with the NRC in order to clarify an acceptable path forward. AREVA NP proposes a telecon occur on August 4 or 5, 2009.

Since a response to this question remains in process, a revised schedule is provided. The schedule for a technically correct and complete response to this question has been changed as provided below:

Question #	Response Date
RAI 177 — 03.09.02-39	September 1, 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

Lynchburg, VA 24506-0935

Phone: 434-832-3694

Cell: 434-841-8788

From: Pederson Ronda M (AREVA NP INC)

Sent: Friday, May 29, 2009 4:30 PM

To: 'Getachew Tesfaye'

Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); KOWALSKI David J (AREVA NP INC); 'Michael Miernicki'

Subject: Response to U.S. EPR Design Certification Application RAI No. 177, FSARCh. 3, Supplement 1

Getachew,

AREVA NP Inc. provided a response to RAI No. 177 on February 20, 2009 stating that a complete answer could not be provided to the question. The attached file, "RAI 177 Supplement 1 Response US EPR DC.pdf" provides a partial response and revised 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 Supplement 1 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

Since a response to this question remains in process, a revised schedule is provided in this email. AREVA NP also requests that a follow-up telecon be held with the NRC in order to clarify an acceptable path forward.

The schedule for a technically correct and complete response to this question has been changed as provided below:

Question #	Response Date
RAI 177 — 03.09.02-39	July 30, 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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Phone: 434-832-3694

Cell: 434-841-8788

From: Pederson Ronda M (AREVA NP INC)

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

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: 778

Mail Envelope Properties (5CEC4184E98FFE49A383961FAD402D3101316E98)

Subject: Response to U.S. EPR Design Certification Application RAI No. 177, FSARCh. 3, Supplement 3
Sent Date: 9/1/2009 5:48:49 PM
Received Date: 9/1/2009 5:48:51 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
"KOWALSKI David J (AREVA NP INC)" <David.Kowalski@areva.com>
Tracking Status: None
"Tsfaye, Getachew" <Getachew.Tsfaye@nrc.gov>
Tracking Status: None

Post Office: AUSLYNCMX02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	7049	9/1/2009 5:48:51 PM
RAI 177 Supplement 3 Response US EPR DC.pdf		59498

Options

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

Response to

Request for Additional Information No. 177, Supplement 3

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:

This question has been superseded by the formal issuance of RAI 287, Question 03.09.02-61, which provides additional clarification. The original RAI 177, Question 03.09.02-39, formally received on January 22, 2009, is considered closed.

FSAR Impact:

The U.S. EPR FSAR will not be changed as a result of this question.