

ArevaEPRDCPEm Resource

From: WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]
Sent: Monday, November 28, 2011 4:31 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (AREVA); DELANO Karen (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); WELLS Russell (AREVA)
Subject: Response to U.S. EPR Design Certification Application RAI No. 522 (6100, 6107), FSAR Ch. 3
Attachments: RAI 522 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 522 Response US EPR DC.pdf" provides a schedule since technically correct and complete responses to the two questions cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 522 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 522 — 03.09.02-170	2	2
RAI 522 — 03.09.05-31	3	3

A complete answer is not provided for the 2 questions. The schedule for a technically correct and complete final response to these questions is provided below.

Question #	Response Date
RAI 522 — 03.09.02-170	February 28, 2012
RAI 522 — 03.09.05-31	February 28, 2012

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.

7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
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From: Tesfaye, Getachew [<mailto:Getachew.Tesfaye@nrc.gov>]
Sent: Thursday, October 27, 2011 6:17 PM
To: ZZ-DL-A-USEPR-DL
Cc: Wong, Yuken; Spicher, Terri; Dixon-Herrity, Jennifer; Miernicki, Michael; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 522 (6100, 6107), FSAR Ch. 3

Attached please find the subject request for additional information (RAI). A draft of the RAI was provided to you on October 26, 2011, and on October 27, 2011, 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: 3591

Mail Envelope Properties (2FBE1051AEB2E748A0F98DF9EEE5A5D49B5D3B)

Subject: Response to U.S. EPR Design Certification Application RAI No. 522 (6100, 6107), FSAR Ch. 3
Sent Date: 11/28/2011 4:30:42 PM
Received Date: 11/28/2011 4:30:46 PM
From: WILLIFORD Dennis (AREVA)

Created By: Dennis.Williford@areva.com

Recipients:

"BENNETT Kathy (AREVA)" <Kathy.Bennett@areva.com>

Tracking Status: None

"DELANO Karen (AREVA)" <Karen.Delano@areva.com>

Tracking Status: None

"ROMINE Judy (AREVA)" <Judy.Romine@areva.com>

Tracking Status: None

"RYAN Tom (AREVA)" <Tom.Ryan@areva.com>

Tracking Status: None

"WELLS Russell (AREVA)" <Russell.Wells@areva.com>

Tracking Status: None

"Teskaye, Getachew" <Getachew.Teskaye@nrc.gov>

Tracking Status: None

Post Office: auscharm02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	2382	11/28/2011 4:30:46 PM
RAI 522 Response US EPR DC.pdf		54771

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Response to

Request for Additional Information No. 522 (6100, 6107), Revision 0

10/27/2011

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**

SRP Section: 03.09.05 - Reactor Pressure Vessel Internals

Application Section: 3.9

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

QUESTIONS for Engineering Mechanics Branch 1 (AP1000/EPR Projects) (EMB1)

Question 03.09.02-170:

OPEN ITEM

The responses to the following questions are acceptable. However, the applicant is requested to include a summary of the responses in Technical Report ANP-10306P or the FSAR:

RAI 384, Question 03.09.02-68
RAI 407, Question 03.09.02-74
RAI 422, Question 03.09.02-88
RAI 422, Question 03.09.02-96
RAI 422, Question 03.09.02-113
RAI 422, Question 03.09.02-115
RAI 422, Question 03.09.02-117
RAI 422, Question 03.09.02-122
RAI 422, Question 03.09.02-123
RAI 422, Question 03.09.02-144
RAI 458, Question 03.09.02-150

Response to Question 03.09.02-170:

A response to this question will be provided by February 28, 2012.

Question 03.09.05-31:

OPEN ITEM

Follow-up RAI 149, Question 03.09.05-8

In the January 29, 2009 response to RAI 149, Question 03.09.05-8, the applicant provided Figure 03.09.05-8-1 that illustrates the clearance among the radial keys, radial key inserts, the LSP, and the reactor vessel shell. The applicant proposed to revise US-EPR FSAR Tier 2, Sections 3.9.5.3.1.2 and 3.9.5.1.2.5 to clarify the support functions of the radial keys. The staff finds that FSAR update and the RAI response provide sufficient description of the function and load paths of the radial keys. However, the applicant did not include Figure 03.09.05-8-1 in Rev 2 of the FSAR. Please provide in the FSAR, Figure 03.09.05-8-1.

Response to Question 03.09.05-31:

A response to this question will be provided by February 28, 2012.