ArevaEPRDCPEm Resource

From: BRYAN Martin (EXTERNAL AREVA) [Martin.Bryan.ext@areva.com]
Sent: Tuesday, September 28, 2010 3:25 PM
To: Tesfaye, Getachew
Cc: DELANO Karen (AREVA); ROMINE Judy (AREVA); BENNETT Kathy (AREVA); PANNELL George (AREVA); RYAN Tom (AREVA)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 9

Getachew,

AREVA NP Inc. provided responses to 8 of the 18 questions of RAI No. 286 on November 13, 2009. AREVA NP submitted Supplement 1 to the response on December 18, 2009 to address 4 of the remaining 10 questions. AREVA NP submitted Supplement 2 to the response on January 22, 2010 to provide a revised schedule for the remaining questions. AREVA NP submitted Supplement 3 to the response on February 19, 2010 to address 2 of the remaining 6 questions. The RAI 286 Supplement 4 response on February 26, 2010 provided technically correct and complete responses to 1 of the remaining 4 questions. That submittal completed responses to 15 of the 18 questions. The RAI 286 Supplement 5 response on March 5, 2010 provided responses to 2 of the remaining 3 questions. The RAI 286 Supplement 6 response on April 16, 2010, Supplement 7 on May 28, 2010, and Supplement 8 on June 30, 2010, provided a revised response date for question 07.08-9.

The schedule for technically correct and complete response to question 07.08-9 is changed and is provided below. It should be noted that this response date may be updated based on the outcome of future NRC and AREVA interactions on FSAR Chapter 7 topics.

Question #	Response Date
RAI 286 — 07.08-9	November 30, 2010

Sincerely,

Martin (Marty) C. Bryan
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
Tel: (434) 832-3016
702 561-3528 cell
Martin.Bryan.ext@areva.com

From: BRYAN Martin (EXT)
Sent: Wednesday, June 30, 2010 6:36 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); PANNELL George L (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 8

Getachew,

AREVA NP Inc. provided responses to 8 of the 18 questions of RAI No. 286 on November 13, 2009. AREVA NP submitted Supplement 1 to the response on December 18, 2009 to address 4 of the remaining 10 questions. AREVA NP submitted Supplement 2 to the response on January 22, 2010 to provide a revised

schedule for the remaining questions. AREVA NP submitted Supplement 3 to the response on February 19, 2010 to address 2 of the remaining 6 questions. The RAI 286 Supplement 4 response on February 26, 2010 provided technically correct and complete responses to 1 of the remaining 4 questions. That submittal completed responses to 15 of the 18 questions. The RAI 286 Supplement 5 response on March 5, 2010 provided responses to 2 of the remaining 3 questions. The RAI 286 Supplement 6 response on April 16, 2010, and Supplement 7 on May 28, 2010, provided a revised response date for question 07.08-9. To allow time to continue to interact with the staff on this remaining question the response date is being revised.

The schedule for technically correct and complete responses to question 07.08-9 is changed and is provided below. It should be noted that this response date may be updated based on the outcome of future NRC and AREVA interactions on FSAR Chapter 7 topics.

Question #	Response Date
RAI 286 — 07.08-9	September 28, 2010

Sincerely,

Martin (Marty) C. Bryan
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
Tel: (434) 832-3016
702 561-3528 cell
Martin.Bryan.ext@areva.com

From: BRYAN Martin (EXT)
Sent: Friday, May 28, 2010 2:00 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); PANNELL George L (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 7

Getachew,

AREVA NP Inc. provided responses to 8 of the 18 questions of RAI No. 286 on November 13, 2009. AREVA NP submitted Supplement 1 to the response on December 18, 2009 to address 4 of the remaining 10 questions. AREVA NP submitted Supplement 2 to the response on January 22, 2010 to provide a revised schedule for the remaining questions. AREVA NP submitted Supplement 3 to the response on February 19, 2010 to address 2 of the remaining 6 questions. The RAI 286 Supplement 4 response on February 26, 2010 provided technically correct and complete responses to 1 of the remaining 4 questions. That submittal completed responses to 15 of the 18 questions. The RAI 286 Supplement 5 response on March 5, 2010 provided responses to 2 of the remaining 3 questions. The RAI 286 Supplement 6 response on April 16, 2010, provided a revised response date for question 07.08-9. To allow time to interact with the staff on this remaining question the response date is being revised.

The schedule for technically correct and complete responses to question 07.08-9 is changed and is provided below.

Question #	Response Date
RAI 286 — 07.08-9	June 30, 2010

Sincerely,

Martin (Marty) C. Bryan
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
Tel: (434) 832-3016
702 561-3528 cell
Martin.Bryan.ext@areva.com

From: BRYAN Martin (EXT)
Sent: Friday, April 16, 2010 3:41 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); PANNELL George L (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 6

Getachew,

AREVA NP Inc. provided responses to 8 of the 18 questions of RAI No. 286 on November 13, 2009. AREVA NP submitted Supplement 1 to the response on December 18, 2009 to address 4 of the remaining 10 questions. AREVA NP submitted Supplement 2 to the response on January 22, 2010 to provide a revised schedule for the remaining questions. AREVA NP submitted Supplement 3 to the response on February 19, 2010 to address 2 of the remaining 6 questions. The RAI 286 Supplement 4 response on February 26, 2010 provided technically correct and complete responses to 1 of the remaining 4 questions. That submittal completed responses to 15 of the 18 questions. The RAI 286 Supplement 5 response on March 5, 2010 provided responses to 2 of the remaining 3 questions.

The schedule for technically correct and complete responses to question 07.08-9 is changed and is provided below. The response date is revised to provide opportunities to interact with the NRC on the response.

Question #	Response Date
RAI 286 — 07.08-9	May 28, 2010

Sincerely,

Martin (Marty) C. Bryan
Licensing Advisory Engineer
AREVA NP Inc.
Tel: (434) 832-3016
Martin.Bryan.ext@areva.com

From: BRYAN Martin (EXT)
Sent: Friday, March 05, 2010 5:38 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC);

PANNELL George L (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 5

Getachew,

The proprietary/SUNSI and public versions of the response to RAI No. 286, Supplement 5 are submitted via AREVA NP Inc. letter, "Response to U.S. EPR Design Certification Application RAI No. 286 Supplement 5 " NRC:10:018, dated March 5, 2010. The enclosure to that letter provides a technically correct and complete response to 2 of the 3 remaining questions in RAI No. 286. The RAI response also contains pages that were excerpted from a document containing security-related sensitive information that should be withheld from public disclosure in accordance with 10 CFR 2.390. In addition, an affidavit to support withholding of information that AREVA considers proprietary from public disclosure, per 10CFR2.390(b), is provided as an enclosure to that letter.

A public version with the proprietary and security-related sensitive information redacted is also provided as an enclosure to that letter.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 286 Supplement 5, Question 07.09-46.

The following table indicates the respective pages in the response document that contains AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 286 — 07.09-46	2	24
RAI 286 — 07.09-49	25	25

The schedule for technically correct and complete response to the remaining question is unchanged and is provided below:

Question #	Response Date
RAI 286 — 07.08-9	April 16, 2010

Sincerely,

Martin (Marty) C. Bryan
Licensing Advisory Engineer
AREVA NP Inc.
Tel: (434) 832-3016
Martin.Bryan@areva.com

From: BRYAN Martin (EXT)
Sent: Friday, February 26, 2010 4:01 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); PANNELL George L (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 4

Getachew,

AREVA NP Inc. provided responses to 8 of the 18 questions of RAI No. 286 on November 13, 2009. AREVA NP submitted Supplement 1 to the response on December 18, 2009 to address 4 of the remaining 10

questions. AREVA NP submitted Supplement 2 to the response on January 22, 2010 to provide a revised schedule for the remaining questions. AREVA NP submitted Supplement 3 to the response on February 19, 2010 to address 2 of the remaining 6 questions. The attached file, "RAI 286 Supplement 4 Response US EPR DC.pdf" provides technically correct and complete responses to 1 of the remaining 4 questions.

The following table indicates the respective pages in the response document, "RAI 286 Supplement 4 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 286 — 07.09-47	2	3

The schedule for technically correct and complete responses to the remaining 3 questions is unchanged and provided below:

Question #	Response Date
RAI 286 — 07.08-9	April 16, 2010
RAI 286 — 07.09-46	March 5, 2010
RAI 286 — 07.09-49	March 5, 2010

Sincerely,

Martin (Marty) C. Bryan
Licensing Advisory Engineer
AREVA NP Inc.
Tel: (434) 832-3016
Martin.Bryan@areva.com

From: DUNCAN Leslie E (AREVA NP INC)
Sent: Friday, February 19, 2010 5:16 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); PANNELL George L (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 3

Getachew,

AREVA NP Inc. provided responses to 8 of the 18 questions of RAI No. 286 on November 13, 2009. AREVA NP submitted Supplement 1 to the response on December 18, 2009 to address 4 of the remaining 10 questions. AREVA NP submitted Supplement 2 to the response on January 22, 2010 to provide a revised schedule for the remaining questions. The attached file, "RAI 286 Supplement 3 Response US EPR DC.pdf" provides technically correct and complete responses to 2 of the remaining 6 questions. The schedule for a technically correct and complete response to question 07.09-47 remains unchanged, and the schedule for technically correct and complete responses to questions 07.08-9, 07.09-46, and March 5, 2010 has been changed.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which supports the response to RAI 286 Question 07.08-7.

The following table indicates the respective pages in the response document, "RAI 286 Supplement 3 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page

RAI 286 — 07.08-7	2	2
RAI 286 — 07.09-52	3	4

The schedule for a technically correct and complete response to question 07.09-47 remains unchanged and is provided below. The schedule for technically correct and complete responses to questions 07.08-9, 07.09-46, and March 5, 2010 has been changed and is provided below.

Question #	Response Date
RAI 286 — 07.08-9	April 16, 2010
RAI 286 — 07.09-46	March 5, 2010
RAI 286 — 07.09-47	February 26, 2010
RAI 286 — 07.09-49	March 5, 2010

Sincerely,

Les Duncan
Licensing Engineer
AREVA NP Inc.
An AREVA and Siemens Company
Tel: (434) 832-2849
Leslie.Duncan@areva.com

From: DUNCAN Leslie E (AREVA NP INC)
Sent: Friday, January 22, 2010 6:39 PM
To: 'Tesfaye, Getachew'
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); PANNELL George L (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 2

Getachew,

AREVA NP Inc. provided responses to 8 of the 18 questions of RAI No. 286 on November 13, 2009. AREVA NP submitted Supplement 1 to the response on December 18, 2009 to address 4 of the remaining 10 questions.

AREVA NP is unable to provide a response to the 5 RAI No. 286 questions with a commitment date of January 22, 2010. The commitment date for these 5 questions has been changed to February 19, 2010 to allow time to incorporate comments and feedback from the upcoming 1/25/10-1/26/10 meeting with the NRC related to U.S. EPR FSAR Chapter 7.

The schedule for a technically correct and complete response to RAI 286 Question 07.09-47 is unchanged and provided below. The schedule for technically correct and complete responses to the other 5 RAI questions has been changed and is provided below:

Question #	Response Date
RAI 286 — 07.08-7	February 19, 2010
RAI 286 — 07.08-9	February 19, 2010
RAI 286 — 07.09-46	February 19, 2010
RAI 286 — 07.09-47	February 26, 2010
RAI 286 — 07.09-49	February 19, 2010
RAI 286 — 07.09-52	February 19, 2010

Sincerely,

Les Duncan
Licensing Engineer
AREVA NP Inc.
An AREVA and Siemens Company
Tel: (434) 832-2849
Leslie.Duncan@areva.com

From: Pederson Ronda M (AREVA NP INC)
Sent: Friday, December 18, 2009 12:04 PM
To: 'Tesfaye, Getachew'
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); KOWALSKI David J (AREVA NP INC); PANNELL George L (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 1

Getachew,

AREVA NP Inc. provided responses to 8 of the 18 questions of RAI No. 286 on November 13, 2009. The attached file, "RAI 286 Supplement 1 Response US EPR DC.pdf" provides technically correct and complete responses to 4 of the remaining 10 questions, as committed.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which supports the response to RAI 286 Questions 07.06-3 and 07.07-19.

The following table indicates the respective pages in the response document, "RAI 286 Supplement 1 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 286 — 07.06-3	2	2
RAI 286 — 07.07-19	3	3
RAI 286 — 07.09-53	4	6
RAI 286 — 07.09-57	7	7

The schedule for a technically correct and complete response to the remaining questions is unchanged and provided below.

Question #	Response Date
RAI 286 — 07.08-7	January 22, 2010
RAI 286 — 07.08-9	January 22, 2010
RAI 286 — 07.09-46	January 22, 2010
RAI 286 — 07.09-47	February 26, 2010
RAI 286 — 07.09-49	January 22, 2010
RAI 286 — 07.09-52	January 22, 2010

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, November 13, 2009 3:34 PM
To: 'Tesfaye, Getachew'
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); PANNELL George L (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information RAI 286. The attached file, "RAI 286 Response US EPR DC" provides technically correct and complete responses to 8 of the 18 questions.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 286 Questions 07.08-8, 07.09-50, 07.09-55 and 07.09-58.

The following table indicates the respective page(s) in the response document, "RAI 286 Response US EPR DC," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 286 — 07.06-3	2	2
RAI 286 — 07.07-18	3	4
RAI 286 — 07.07-19	5	5
RAI 286 — 07.08-7	6	6
RAI 286 — 07.08-8	7	7
RAI 286 — 07.08-9	8	8
RAI 286 — 07.09-46	9	9
RAI 286 — 07.09-47	10	10
RAI 286 — 07.09-49	11	11
RAI 286 — 07.09-50	12	12
RAI 286 — 07.09-51	13	13
RAI 286 — 07.09-52	14	14
RAI 286 — 07.09-53	15	15
RAI 286 — 07.09-54	16	17
RAI 286 — 07.09-55	18	18
RAI 286 — 07.09-56	19	20
RAI 286 — 07.09-57	21	21
RAI 286 — 07.09-58	22	22

A complete answer is not provided for 10 of the 18 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Response Date
RAI 286 — 07.06-3	December 18, 2009
RAI 286 — 07.07-19	December 18, 2009

RAI 286 — 07.08-7	January 22, 2010
RAI 286 — 07.08-9	January 22, 2010
RAI 286 — 07.09-46	January 22, 2010
RAI 286 — 07.09-47	February 26, 2010
RAI 286 — 07.09-49	January 22, 2010
RAI 286 — 07.09-52	January 22, 2010
RAI 286 — 07.09-53	December 18, 2009
RAI 286 — 07.09-57	December 18, 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: Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]
Sent: Wednesday, October 14, 2009 8:06 PM
To: ZZ-DL-A-USEPR-DL
Cc: Cheung, Calvin; Mott, Kenneth; Zhang, Deanna; Spaulding, Deirdre; Jackson, Terry; Canova, Michael; Guardiola, Maria; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 286(3567,3561,3562,3563), FSAR Ch. 7

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on August 27, 2009, and discussed with your staff on September 3, 2009. Drat RAI Question 07.09-48 was deleted and Draft RAI Questions 07.09-47, 07.09-51, and 07-09-52 were modified as a result of that discussion. 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: 2059

Mail Envelope Properties (BC417D9255991046A37DD56CF597DB7107B8A229)

Subject: Response to U.S. EPR Design Certification Application RAI No. 286, FSAR Ch. 7, Supplement 9
Sent Date: 9/28/2010 3:25:11 PM
Received Date: 9/28/2010 3:25:22 PM
From: BRYAN Martin (EXTERNAL AREVA)

Created By: Martin.Bryan.ext@areva.com

Recipients:
"DELANO Karen (AREVA)" <Karen.Delano@areva.com>
Tracking Status: None
"ROMINE Judy (AREVA)" <Judy.Romine@areva.com>
Tracking Status: None
"BENNETT Kathy (AREVA)" <Kathy.Bennett@areva.com>
Tracking Status: None
"PANNELL George (AREVA)" <George.Pannell@areva.com>
Tracking Status: None
"RYAN Tom (AREVA)" <Tom.Ryan@areva.com>
Tracking Status: None
"Tesfaye, Getachew" <Getachew.Tesfaye@nrc.gov>
Tracking Status: None

Post Office: AUSLYNCMX02.adom.ad.corp

Files	**Size**	**Date & Time**
MESSAGE	20412	9/28/2010 3:25:22 PM

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