

ArevaEPRDCPEm Resource

From: WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]
Sent: Wednesday, August 31, 2011 6:21 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (AREVA); DELANO Karen (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); GUCWA Len (EXTERNAL AREVA)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSAR Ch. 6, Supplement 10

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 5 questions of RAI No. 340 on March 1, 2010. RAI No. 340, Supplement 1 was submitted on April 7, 2010 and provided responses to 2 of the 4 remaining questions. In addition, on April 7, 2010, the schedule for responding to Question 06.02.01-57 was revised to July 15, 2010. On May 12, 2010, the schedule for responding to Question 06.02.01-53 was revised to May 26, 2010. RAI No. 340, Supplement 3 was submitted on May 25, 2010 and provided a response to 1 of the 2 remaining questions. Supplements 4, 5, 6, 7, 8 and 9 responses to RAI No. 340 were submitted on July 14, 2010, November 12, 2010, January 7, 2011, March 3, 2011, May 31, 2011 and July 13, 2011, respectively, to revise the schedule for responding to Question 06.02.01-57.

The schedule for responding to Question 06.02.01-57 has been revised as provided below.

Question #	Response Date
RAI 340 — 06.02.01-57	November 2, 2011

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
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Wednesday, July 13, 2011 9:43 AM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); GUCWA Len (External RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6, Supplement 9

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 5 questions of RAI No. 340 on March 1, 2010. RAI No. 340, Supplement 1 was submitted on April 7, 2010 and provided responses to 2 of the 4 remaining questions. In addition, on April 7, 2010, the schedule for responding to Question 06.02.01-57 was revised to July 15, 2010. On May 12, 2010, the schedule for responding to Question 06.02.01-53 was revised to May 26, 2010. RAI No. 340, Supplement 3 was submitted on May 25, 2010 and provided a response to 1 of the 2 remaining questions. Supplements 4, 5, 6, 7 and 8 responses to RAI No. 340 were submitted on July 14, 2010, November 12, 2010, January 7, 2011, March 3, 2011, and May 31, 2011, respectively, to revise the schedule for responding to Question 06.02.01-57.

AREVA NP is providing a revised schedule for providing a technically correct and complete response to Question 06.02.01-57, as shown below.

Question #	Response Date
RAI 340 — 06.02.01-57	October 12, 2011

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
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Tuesday, May 31, 2011 5:23 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); GUCWA Len (External RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6, Supplement 8

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 5 questions of RAI No. 340 on March 1, 2010. RAI No. 340, Supplement 1 was submitted on April 7, 2010 and provided responses to 2 of the 4 remaining questions. In addition, on April 7, 2010, the schedule for responding to Question 06.02.01-57 was revised to July 15, 2010. On May 12, 2010, the schedule for responding to Question 06.02.01-53 was revised to May 26, 2010. RAI No. 340, Supplement 3 was submitted on May 25, 2010 and provided a response to 1 of the 2 remaining questions. Supplements 4, 5, 6 and 7 responses to RAI No. 340 were submitted on July 14, 2010, November 12, 2010, January 7, 2011, and March 3, 2011, respectively, to revise the schedule for responding to Question 06.02.01-57.

AREVA NP is providing a revised schedule for providing a technically correct and complete response to Question 06.02.01-57, as shown below.

Question #	Response Date
RAI 340 — 06.02.01-57	July 13, 2011

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
Email: Dennis.Williford@areva.com

From: WELLS Russell (RS/NB)
Sent: Thursday, March 03, 2011 7:09 AM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); GUCWA Len (External RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6, Supplement 7

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 5 questions of RAI No. 340 on March 1, 2010. RAI No. 340, Supplement 1 was submitted on April 7, 2010 and provided responses to 2 of the 4 remaining questions. In addition, on April 7, 2010, the schedule for responding to Question 06.02.01-57 was revised to July 15, 2010. On May 12, 2010, the schedule for responding to Question 06.02.01-53 was revised to May 26, 2010. RAI No. 340, Supplement 3 was submitted on May 25, 2010 and provided a response to 1 of the 2 remaining questions. Supplements 4, 5 and 6 response to RAI No. 340 were submitted on July 14, 2010, November 12, 2010, and January 7, 2011, respectively, to revise the schedule for responding to Question 06.02.01-57.

To allow time for additional interaction between AREVA and the NRC staff, a revised schedule is provided in this email for Question 06.02.01-57.

The schedule for a technically correct and complete response has been revised as provided below.

Question #	Response Date
RAI 340 — 06.02.01-57	May 31, 2011

Sincerely,

Russ Wells
U.S. EPR Design Certification Licensing Manager
AREVA NP, Inc.
3315 Old Forest Road, P.O. Box 10935
Mail Stop OF-57
Lynchburg, VA 24506-0935
Phone: 434-832-3884 (work)
434-942-6375 (cell)
Fax: 434-382-3884
[*Russell.Wells@Areva.com*](mailto:Russell.Wells@Areva.com)

From: BRYAN Martin (External RS/NB)
Sent: Friday, January 07, 2011 5:12 PM
To: Tesfaye, Getachew
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); GUCWA Len (External RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6, Supplement 6

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 5 questions of RAI No. 340 on March 1, 2010. RAI No. 340, Supplement 1 was submitted on April 7, 2010 and provided responses to 2 of the 4 remaining questions. In addition, on April 7, 2010, the schedule for responding to Question 06.02.01-57 was revised to July 15, 2010. On May 12, 2010, the schedule for responding to Question 06.02.01-53 was revised to May 26, 2010. RAI No. 340, Supplement 3 was submitted on May 25, 2010 and provided a response to 1 of the 2

remaining questions. Supplements 4 and 5 response to RAI No. 340 were submitted on July 14, 2010, and November 12, 2010, respectively, to revised the schedule for responding to Question 06.02.01-57.

To allow time for additional interaction between AREVA and the NRC staff, a revised schedule is provided in this email for Question 06.02.01-57.

The schedule for a technically correct and complete response has been revised as provided below.

Question #	Response Date
RAI 340 — 06.02.01-57	March 3, 2011

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 (External RS/NB)
Sent: Friday, November 12, 2010 1:46 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); GUCWA Len (External RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6, Supplement 5

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 5 questions of RAI No. 340 on March 1, 2010. RAI No. 340, Supplement 1 was submitted on April 7, 2010 and provided responses to 2 of the 4 remaining questions. In addition, on April 7, 2010, the schedule for responding to Question 06.02.01-57 was revised to July 15, 2010. On May 12, 2010, the schedule for responding to Question 06.02.01-53 was revised to May 26, 2010. RAI No. 340, Supplement 3 was submitted on May 25, 2010 and provided a response to 1 of the 2 remaining questions. Supplement 4 response to RAI No. 340 was submitted on July 14, 2010 to revised the schedule for responding to Question 06.02.01-57.

During NRC's September 29-30, 2010 containment audit, AREVA NP discussed the preliminary results of calculations associated with the response to Question 06.02.01-57. To allow time for additional interaction between AREVA and the NRC staff, a revised schedule is provided in this email for Question 06.02.01-57. The revised schedule provides opportunity for the requested NRC audit of the associated water retention calculation.

The schedule for a technically correct and complete response has been revised as provided below.

Question #	Response Date
RAI 340 — 06.02.01-57	January 26, 2011

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, July 14, 2010 3:14 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); GUCWA Len T (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6, Supplement 4

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 5 questions of RAI No. 340 on March 1, 2010. RAI No. 340, Supplement 1 was submitted on April 7, 2010 and provided responses to 2 of the 4 remaining questions. In addition, on April 7, 2010, the schedule for responding to Question 06.02.01-57 was revised to July 15, 2010. On May 12, 2010, the schedule for responding to Question 06.02.01-53 was revised to May 26, 2010. RAI No. 340, Supplement 3 was submitted on May 25, 2010 and provided a response to 1 of the 2 remaining questions.

To allow time for a more detailed review and for interaction between AREVA and the NRC staff, a revised schedule is provided in this email for Question 06.02.01-57. The revised schedule also provides for more detailed analysis of individual Reactor Building compartments to identify locations where water retention could occur. AREVA anticipates having draft a response available during October to support interaction with the NRC staff to review the responses prior to the formal submittal. AREVA NP discussed the revised schedule with NRC staff on July 14, 2010.

The schedule for a technically correct and complete response has been revised as provided below.

Question #	Response Date
RAI 340 — 06.02.01-57	November 12, 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: Tuesday, May 25, 2010 4:55 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); GUCWA Len T (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6, Supplement 3, Part 1 of 4

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 5 questions of RAI No. 340 on March 1, 2010. RAI No. 340, Supplement 1 was submitted on April 7, 2010 and provided responses to 2 of the 4 remaining questions. In addition, on April 7, 2010, the schedule for responding to Question 06.02.01-57 was revised to July 15, 2010. On May 12, 2010, the schedule for responding to Question 06.02.01-53 was revised to May 26, 2010.

Because of the file size, AREVA NP is providing the response to Question 06.02.01-53 in four parts. The four files are designated as "RAI 340 Supplement 3 Response US EPR DC Part X of 4.pdf," where "X" is one of the four parts. The files provide a technically correct and complete response to 1 of the 2 remaining questions.

Attached is file, "RAI 340 Supplement 3 Response US EPR DC Part 1 of 4.pdf."

The following table indicates the respective pages in the response document, "RAI 340 Supplement 3 Response US EPR DC Part 1 of 4.pdf," that contain AREVA NP's responses to the subject questions.

Question #	Start Page	End Page
RAI 340 — 06.02.01-53	2	53

The schedule for a technically correct and complete response to Question 06.02.01-57 is unchanged and provided below.

Question #	Response Date
RAI 340 — 06.02.01-57	July 15, 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, May 12, 2010 4:42 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); GUCWA Len T (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 5 questions of RAI No. 340 on March 1, 2010. RAI No. 340, Supplement 1 was submitted on April 7, 2010 and provided responses to 2 of the 4 remaining questions. In addition, on April 7, 2010, the schedule for responding to Question 06.02.01-57 was revised to July 15, 2010.

Because the response to Question 06.02.01-53 is anticipated to include over 200 figures, an additional two weeks is needed to provide a complete and accurate response. As agreed with the NRC staff, the schedule for responding to Question 06.02.01-53 is changed to May 26, 2010. The schedule for responding to Question 06.02.01-57 is unchanged.

The schedule for a technically correct and complete response to the remaining RAI No. 340 questions is provided below.

Question #	Response Date
RAI 340 — 06.02.01-53	May 26, 2010
RAI 340 — 06.02.01-57	July 15, 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, April 07, 2010 2:55 PM
To: 'Tesyfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); GUCWA Len T (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6, Supplement 1

Getachew,

The proprietary/SUNSI and public versions of the response to RAI No. 340, Supplement 1 are submitted via AREVA NP Inc. letter, "Response to U.S. EPR Design Certification Application RAI No. 340 Supplement 1 " NRC:10:032, dated April 7, 2010. The enclosure to that letter provides a schedule to provide technically correct and complete response to 2 of the 4 remaining questions in RAI No. 340. The RAI response also contains **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.

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

Question #	Start Page	End Page
RAI 340 — 06.02.01-54	2	10
RAI 340 — 06.02.01-56	11	11

The schedule for a technically correct and complete response to Question 06.02.01-53 is unchanged and provided below. The response to Questions 06.02.01-57 is dependent upon the results of ongoing GSI-191 head loss testing and evaluations which will demonstrate sump strainer performance. Because of the ongoing activities, AREVA NP is not providing a response at this time. The schedule for a technically correct and complete response to Question 06.02.01-57 has been revised and is provided below.

Question #	Response Date
RAI 340 — 06.02.01-53	May 12, 2010
RAI 340 — 06.02.01-57	July 15, 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: Monday, March 01, 2010 3:23 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); GUCWA Len T (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSARCh. 6

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 340 Response US EPR DC.pdf" provides a technically correct and complete response to 1 of the 5 questions.

The following table indicates the respective pages in the response document, "RAI 340 Response US EPR DC.pdf," that contains AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 340 — 06.02.01-53	2	2
RAI 340 — 06.02.01-54	3	3
RAI 340 — 06.02.01-55	4	11
RAI 340 — 06.02.01-56	12	12
RAI 340 — 06.02.01-57	13	13

A complete answer is not provided for 4 of the 5 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Response Date
RAI 340 — 06.02.01-53	May 12, 2010
RAI 340 — 06.02.01-54	April 7, 2010
RAI 340 — 06.02.01-56	April 7, 2010
RAI 340 — 06.02.01-57	April 7, 2010

Sincerely,

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

From: Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]
Sent: Friday, January 29, 2010 10:23 AM

To: ZZ-DL-A-USEPR-DL

Cc: Jensen, Walton; Jackson, Christopher; Snodderly, Michael; Carneal, Jason; Colaccino, Joseph; ArevaEPRDCPEm Resource

Subject: U.S. EPR Design Certification Application RAI No. 340 (4094), FSARCh. 6

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on December 6, 2009, and discussed with your staff on January 20, 2010. Draft RAI Questions 06.02.01-53 was 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: 3388

Mail Envelope Properties (2FBE1051AEB2E748A0F98DF9EEE5A5D486D633)

Subject: Response to U.S. EPR Design Certification Application RAI No. 340, FSAR Ch. 6, Supplement 10
Sent Date: 8/31/2011 6:20:34 PM
Received Date: 8/31/2011 6:21:31 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
"GUCWA Len (EXTERNAL AREVA)" <Len.Gucwa.ext@areva.com>
Tracking Status: None
"Tsfaye, Getachew" <Getachew.Tsfaye@nrc.gov>
Tracking Status: None

Post Office: auscharm02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	20266	8/31/2011 6:21:31 PM

Options

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