

## ArevaEPRDCPEm Resource

---

**From:** WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]  
**Sent:** Friday, June 28, 2013 6:57 PM  
**To:** Snyder, Amy  
**Cc:** Miernicki, Michael; ANDERSON Katherine (EXTERNAL AREVA); DELANO Karen (AREVA); LEIGHLITER John (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 20

Amy,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09. On May 2, 2011, AREVA NP submitted Supplement 11 to provide a revised schedule for Question 03.08.01-44. On May 12, 2011, AREVA NP submitted Supplement 12 to provide a revised schedule for Question 03.08.04-10. On May 25, 2011, AREVA NP submitted Supplement 13 to provide a final response for Question 03.08.04-10. On June 15, 2011, AREVA NP submitted Supplement 14 to provide a final response for Question 03.08.04-9. On July 7, 2011, AREVA NP submitted Supplement 15 to provide a revised schedule for Question 03.08.01-44. On July 12, 2011, AREVA NP submitted Supplement 16 to provide a final response for Question 03.08.01-44. On March 7, 2013, AREVA NP submitted Supplement 17 to provide a schedule for a revised final response to Question 03.08.01-44. On April 10, 2013, AREVA NP submitted Supplement 18 to provide a final response for Question 03.08.01-44. On June 12, 2013, AREVA NP submitted Supplement 19 to provide a revised final response to Question 03.08.04-9.

As discussed with NRC staff during a conference call on June 11, 2013, AREVA NP committed to provide a revised schedule and response for Question 03.08.04-10.

The schedule for a technically correct and complete revised response to Question 03.08.04-10 is provided below.

<b>Question #</b>	<b>Advanced Response Date</b>	<b>NRC Comment Request Date</b>	<b>Final Response Date</b>
RAI 335 — 03.08.04-10	<b>June 28, 2013</b>	<b>August 15, 2013</b>	<b>August 30, 2013</b>

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

---

**From:** RYAN Tom (RS/NB)  
**Sent:** Wednesday, June 12, 2013 12:53 PM  
**To:** [Amy.Snyder@nrc.gov](mailto:Amy.Snyder@nrc.gov)  
**Cc:** WILLIFORD Dennis (RS/NB); ANDERSON Katherine (External AREVA NP INC.); DELANO Karen (RS/NB); LEIGHLITER John (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); Miernicki, Michael  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 19

Amy,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09. On May 2, 2011, AREVA NP submitted Supplement 11 to provide a revised schedule for Question 03.08.01-44. On May 12, 2011, AREVA NP submitted Supplement 12 to provide a revised schedule for Question 03.08.04-10. On May 25, 2011, AREVA NP submitted Supplement 13 to provide a final response for Question 03.08.04-10. On June 15, 2011, AREVA NP submitted Supplement 14 to provide a final response for Question 03.08.04-9. On July 7, 2011, AREVA NP submitted Supplement 15 to provide a revised schedule for Question 03.08.01-44. On July 12, 2011, AREVA NP submitted Supplement 16 to provide a final response for Question 03.08.01-44. On March 7, 2013, AREVA NP submitted Supplement 17 to provide a schedule for a revised final response to Question 03.08.01-44. On April 10, 2013, AREVA NP submitted Supplement 18 to provide a final response for Question 03.08.01-44.

The attached file, "RAI 335 Supplement 19 Response US EPR DC.pdf" provides a technically correct and complete revised final response to Question 03.08.04-9, as committed to NRC during a conference call on June 11, 2013. The following table indicates the pages in the response document, "RAI 335 Supplement 19 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 335 — 03.08.04-9	2	3

This concludes the formal AREVA NP response to RAI 335, and there are no questions from this RAI for which AREVA NP has not provided responses.

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](mailto:Dennis.Williford@areva.com)

---

**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Wednesday, April 10, 2013 4:29 PM  
**To:** [Amy.Snyder@nrc.gov](mailto:Amy.Snyder@nrc.gov)  
**Cc:** [Michael.Miernicki@nrc.gov](mailto:Michael.Miernicki@nrc.gov); DELANO Karen (RS/NB); LEIGHLITER John (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WILLS Tiffany (CORP/QP); HONMA George (EXT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 18

Amy,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09. On May 2, 2011, AREVA NP submitted Supplement 11 to provide a revised schedule for Question 03.08.01-44. On May 12, 2011, AREVA NP submitted Supplement 12 to provide a revised schedule for Question 03.08.04-10. On May 25, 2011, AREVA NP submitted Supplement 13 to provide a final response for Question 03.08.04-10. On June 15, 2011, AREVA NP submitted Supplement 14 to provide a final response for Question 03.08.04-9. On July 7, 2011, AREVA NP submitted Supplement 15 to provide a revised schedule for Question 03.08.01-44. On July 12, 2011, AREVA NP submitted Supplement 16 to provide a final response for Question 03.08.01-44. On March 7, 2013, AREVA NP submitted Supplement 17 to provide a schedule for a revised final response to Question 03.08.01-44.

The attached file, "RAI 335 Supplement 18 Response US EPR DC.pdf" provides a technically correct and complete revised final response to Question 03.08.01-44, as committed. The following table indicates the pages in the response document, "RAI 335 Supplement 18 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 335 — 03.08.01-44	2	46

This concludes the formal AREVA NP response to RAI 335, and there are no questions from this RAI for which AREVA NP has not provided responses.

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](mailto:Dennis.Williford@areva.com)

---

**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Thursday, March 07, 2013 9:26 AM

To: [Amy.Snyder@nrc.gov](mailto:Amy.Snyder@nrc.gov)

Cc: [Michael.Miernicki@nrc.gov](mailto:Michael.Miernicki@nrc.gov); DELANO Karen (RS/NB); LEIGHLITER John (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WILLS Tiffany (CORP/QP)

Subject: Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 17

Amy,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09. On May 2, 2011, AREVA NP submitted Supplement 11 to provide a revised schedule for Question 03.08.01-44. On May 12, 2011, AREVA NP submitted Supplement 12 to provide a revised schedule for Question 03.08.04-10. On May 25, 2011, AREVA NP submitted Supplement 13 to provide a final response for Question 03.08.04-10. On June 15, 2011, AREVA NP submitted Supplement 14 to provide a final response for Question 03.08.04-9. On July 7, 2011, AREVA NP submitted Supplement 15 to provide a revised schedule for Question 03.08.01-44. On July 12, 2011, AREVA NP submitted Supplement 16 to provide a final response for Question 03.08.01-44.

Due to changes impacting U.S. EPR FSAR Sections 3.7 and 3.8 and as discussed with NRC staff and communicated in the Revised Closure Plan for U.S. EPR Civil/Structural Open Items (NRC:12:072), a schedule for a revised final response to Question 03.08.01-44 is provided below.

Question #	Final Response Date
RAI 335 — 03.08.01-44	April 15, 2013

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](mailto:Dennis.Williford@areva.com)

---

**From:** WILLIFORD Dennis (RS/NB)

**Sent:** Tuesday, July 12, 2011 2:38 PM

**To:** 'Tesfaye, Getachew'

**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); 'Miernicki, Michael'

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 16

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on

June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09. On May 2, 2011, AREVA NP submitted Supplement 11 to provide a revised schedule for Question 03.08.01-44. On May 12, 2011, AREVA NP submitted Supplement 12 to provide a revised schedule for Question 03.08.04-10. On May 25, 2011, AREVA NP submitted Supplement 13 to provide a final response for Question 03.08.04-10. On June 15, 2011, AREVA NP submitted Supplement 14 to provide a final response for Question 03.08.04-9. On July 7, 2011, AREVA NP submitted Supplement 15 to provide a revised schedule for Question 03.08.01-44.

The attached file, "RAI 335 Supplement 16 Response US EPR DC.pdf" provides a technically correct and complete final response to Question 03.08.01-44, as committed. The following table indicates the pages in the response document, "RAI 335 Supplement 16 Response US EPR DC.pdf" that contain AREVA NP's response to the subject question. Appended to this file are the affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 335 Question 03.08.01-44.

Question #	Start Page	End Page
RAI 335 — 03.08.01-44	2	46

This completes the formal AREVA NP response to RAI 335, and there are no questions from this RAI for which AREVA NP has not provided responses.

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](mailto:Dennis.Williford@areva.com)

---

**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Thursday, July 07, 2011 4:20 PM  
**To:** Tesfaye, Getachew  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 15

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to

provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09. On May 2, 2011, AREVA NP submitted Supplement 11 to provide a revised schedule for Question 03.08.01-44. On May 12, 2011, AREVA NP submitted Supplement 12 to provide a revised schedule for Question 03.08.04-10. On May 25, 2011, AREVA NP submitted Supplement 13 to provide a final response for Question 03.08.04-10. On June 15, 2011, AREVA NP submitted Supplement 14 to provide a final response for Question 03.08.04-9.

The schedule for a technically correct and complete response to the remaining question has been changed as provided below.

Question #	Interim Response Date	Final Response Date
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	July 15, 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](mailto:Dennis.Williford@areva.com)

---

**From:** RYAN Tom (RS/NB)  
**Sent:** Wednesday, June 15, 2011 10:55 AM  
**To:** 'Tesfaye, Getachew'  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); CORNELL Veronica (External RS/NB); WILLIFORD Dennis (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 14

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09. On May 2, 2011, AREVA NP submitted Supplement 11 to provide a revised schedule for Question 03.08.01-44. On May 12, 2011, AREVA NP submitted Supplement 12 to provide a revised schedule for Question 03.08.04-10. On May 25, 2011, AREVA NP submitted Supplement 13 to provide a final response for Question 03.08.04-10.

The attached file, "RAI 335 Supplement 14 Response US EPR DC.pdf" provides a technically correct and complete final response to Question 03.08.04-9, as committed. The following table indicates the pages in the response document, "RAI 335 Supplement 14 Response US EPR DC.pdf" that contains AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 335 — 03.08.04-9	2	4

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

Question #	Interim Response Date	Final Response Date
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	July 8, 2011

Sincerely,

**Tom Ryan for  
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](mailto:Dennis.Williford@areva.com)

---

**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Wednesday, May 25, 2011 9:01 AM  
**To:** Tesfaye, Getachew  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); CORNELL Veronica (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 13

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09. On May 2, 2011, AREVA NP submitted Supplement 11 to provide a revised schedule for Question 03.08.01-44. On May 12, 2011, AREVA NP submitted Supplement 12 to provide a revised schedule for Question 03.08.04-10.

The attached file, "RAI 335 Supplement 13 Response US EPR DC.pdf" provides a technically correct and complete final response to Question 03.08.04-10, as committed. Appended to this file are the affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 335 Question 03.08.04-10.

The following table indicates the pages in the response document, "RAI 335 Supplement 13 Response US EPR DC.pdf" that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 335 — 03.08.04-10	2	8

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

Question #	Interim Response Date	Final Response Date
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	July 8, 2011
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	July 8, 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](mailto:Dennis.Williford@areva.com)

---

**From:** WELLS Russell (RS/NB)  
**Sent:** Thursday, May 12, 2011 4:28 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** CORNELL Veronica (External RS/NB); BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 12

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09. On May 2, 2011, AREVA NP submitted Supplement 11 to provide a revised schedule for Question 03.08.01-44.

The schedule for Question 03.08.04-10 is being revised. The schedule for the remaining questions is unchanged.

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

Question #	Interim Response Date	Final Response Date
------------	-----------------------	---------------------



RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	July 8, 2011
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	July 8, 2011
RAI 335 — 03.08.04-10	August 20, 2010 (Actual)	<b>July 8, 2011</b>

*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:** WELLS Russell (RS/NB)

**Sent:** Monday, May 02, 2011 10:30 AM

**To:** Tesfaye, Getachew

**Cc:** CORNELL Veronica (External RS/NB); BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 11

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10. On April 28, 2011, AREVA NP submitted Supplement 10 to provide a revised schedule for Question 03.08.04-09.

Due to changes in the schedule for FSAR Sections 3.7 and 3.8 as discussed with NRC, the schedule for Question 03.08.01-44 is being revised. The schedule for the remaining questions is unchanged.

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

<b>Question #</b>	<b>Interim Response Date</b>	<b>Final Response Date</b>
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	<b>July 8, 2011</b>
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	July 8, 2011
RAI 335 — 03.08.04-10	August 20, 2010 (Actual)	May 12, 2011

Sincerely,

*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:** WELLS Russell (RS/NB)

**Sent:** Thursday, April 28, 2011 4:53 PM

**To:** 'Tefaye, Getachew'

**Cc:** CORNELL Veronica (External RS/NB); BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 10

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44. On April 8, 2011, AREVA NP submitted Supplement 9 to provide a revised schedule for Question 03.08.04-10.

The schedule for Question 03.08.04-09 is being revised to allow AREVA NP additional time to address NRC comments. The schedule for the remaining questions is unchanged.

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

<b>Question #</b>	<b>Interim Response Date</b>	<b>Final Response Date</b>
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	June 14, 2011
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	<b>July 8, 2011</b>
RAI 335 — 03.08.04-10	August 20, 2010 (Actual)	May 12, 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:** WELLS Russell (RS/NB)  
**Sent:** Friday, April 08, 2011 11:30 AM  
**To:** 'Tesfaye, Getachew'  
**Cc:** 'Miernicki, Michael'; CORNELL Veronica (External RS/NB); BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 9

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10. On March 3, 2011, AREVA NP submitted Supplement 8 to provide a revised schedule for Question 03.08.01-44.

The schedule for Question 03.08.04-10 is being revised to allow AREVA NP additional time to address NRC comments. The schedule for the remaining questions is unchanged.

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

Question #	Interim Response Date	Final Response Date
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	June 14, 2011
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	April 28, 2011
RAI 335 — 03.08.04-10	August 20, 2010 (Actual)	<b>May 12, 2011</b>

*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:** WELLS Russell (RS/NB)  
**Sent:** Thursday, March 03, 2011 6:04 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); CORNELL Veronica (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 8

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10. AREVA NP submitted Supplement 7 on February 11, 2011, to provide a revised schedule for Question 03.08.04-09 and Question 03.08.04-10.

The schedule for Question 03.08.01-44 is being revised to allow AREVA NP additional time to address NRC audit comments. The schedule for the remaining questions is unchanged.

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

<b>Question #</b>	<b>Interim Response Date</b>	<b>Final Response Date</b>
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	<b>June 14, 2011</b>
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	April 28, 2011
RAI 335 — 03.08.04-10	August 20, 2010 (Actual)	April 8, 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, February 11, 2011 1:14 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); CORNELL Veronica (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 7

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on

June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10. AREVA NP submitted Supplement 6 on January 13, 2011, to provide a revised schedule for Question 03.08.01-44 and Question 03.08.04-10.

The schedule for Question 03.08.04-09 and Question 03.08.04-10 has changed. The schedule for the remaining question is unchanged.

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

Question #	Interim Response Date	Final Response Date
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	March 3, 2011
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	April 28, 2011
RAI 335 — 03.08.04-10	August 20, 2010 (Actual)	April 8, 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](mailto:Martin.Bryan.ext@areva.com)

---

**From:** BRYAN Martin (External RS/NB)  
**Sent:** Thursday, January 13, 2011 5:09 PM  
**To:** 'Tefaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); CORNELL Veronica (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 6, Interim

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09. AREVA NP submitted Supplement 5 on August 20, 2010, to provide an INTERIM response to Question 03.08.04-10.

The schedule for Question 03.08.01-44 is being revised to allow AREVA NP additional time for to address NRC feedback. The schedule for Question 03.08.04-10 is being revised to allow additional time for AREVA NP to interact with the NRC.

The schedule for technically correct and complete FINAL responses to the remaining is provided below:

Question #	Interim Response Date	Final Response Date
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	March 3, 2011
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	February 15, 2011
RAI 335 — 03.08.04-10	August 20, 2010 (Actual)	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](mailto:Martin.Bryan.ext@areva.com)

---

**From:** BRYAN Martin (External RS/NB)  
**Sent:** Friday, August 20, 2010 3:31 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); CORNELL Veronica (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 5, Interim

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 and Supplement 3 to the response on June 4, 2010, and June 24, 2010, respectively, to provide a revised schedule for responding to the remaining 3 questions. AREVA NP submitted Supplement 4 on July 20, 2010, to provide INTERIM responses to Question 03.08.01-44 and Question 03.08.04-09.

The attached file, "RAI 335 Supplement 5 US EPR DC – INTERIM.pdf" provides technically correct and complete INTERIM response to Question 03.08.04-10, as committed.

The following table indicates the respective pages in the response document, "RAI 335 Supplement 5 US EPR DC – INTERIM.pdf," that contain AREVA NP's INTERIM response to Question 03.08.04-10.

Question #	Start Page	End Page
RAI 335 — 03.08.04-10	2	3

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

Question #	Interim Response Date	Final Response Date
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	January 13, 2011
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	February 15, 2011
RAI 335 — 03.08.04-10	August 20, 2010 (Actual)	January 21, 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](mailto:Martin.Bryan.ext@areva.com)

**From:** BRYAN Martin (EXT)

**Sent:** Tuesday, July 20, 2010 5:17 PM

**To:** 'Tsfaye, Getachew'

**Cc:** DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); CORNELL Veronica (EXT); VAN NOY Mark (EXT)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 4, Interim

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 to the response on June 4, 2010, to provide a schedule for the remaining 3 questions that were affected by the work underway to address NRC comments from the April 26, 2010, audit. AREVA NP submitted Supplement 3 to the response on June 24, 2010, to provide a revised schedule for responding to the remaining 3 questions based on the June 9, 2010, NRC public meeting with AREVA.

The attached file, "RAI 335 Supplement 4 US EPR DC – INTERIM.pdf" provides technically correct and complete INTERIM response to Question 03.08.01-44 and Question 03.08.04-09, as committed.

The following table indicates the respective pages in the response document, "RAI 335 Supplement 4 US EPR DC – INTERIM.pdf," that contain AREVA NP's INTERIM response to Question 03.08.01-44 and Question 03.08.04-09.

Question #	Start Page	End Page
RAI 335 — 03.08.01-44	2	8
RAI 335 — 03.08.04-09	9	11

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

Question #	Interim Response Date	Final Response Date
RAI 335 — 03.08.01-44	July 21, 2010 (Actual)	January 13, 2011
RAI 335 — 03.08.04-09	July 21, 2010 (Actual)	February 15, 2011
RAI 335 — 03.08.04-10	August 23, 2010	January 21, 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](mailto:Martin.Bryan.ext@areva.com)

---

**From:** BRYAN Martin (EXT)

**Sent:** Thursday, June 24, 2010 12:27 PM

**To:** 'Tsfaye, Getachew'

**Cc:** DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); CORNELL Veronica (EXT); VAN NOY Mark (EXT); RYAN Tom (AREVA NP INC); GARDNER George Darrell (AREVA NP INC)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 3

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions. AREVA NP submitted Supplement 2 to the response on June 4, 2010, to provide a schedule for the remaining 3 questions that were affected by the work underway to address NRC comments from the April 26, 2010, audit.

Based upon the civil/structural re-planning activities and revised RAI response schedule presented to the NRC during the June 9, 2010, Public Meeting, and to allow time to interact with the NRC on the responses, the schedule for the remaining three questions has been changed.

Prior to submittal of the final RAI response, AREVA NP will provide an interim RAI response that includes:

- (1) a description of the technical work (e.g., methodology)
- (2) U.S. EPR FSAR revised pages, as applicable

The revised schedule for an interim response and the technically correct and complete response to these questions is provided below.

Question #	Interim Response Date	Final Response Date
RAI 335 — 03.08.01-44	July 21, 2010	January 13, 2011
RAI 335 — 03.08.04-09	July 21, 2010	February 15, 2011
RAI 335 — 03.08.04-10	August 23, 2010	January 21, 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](mailto:Martin.Bryan.ext@areva.com)

---

**From:** BRYAN Martin (EXT)  
**Sent:** Friday, June 04, 2010 3:45 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); VAN NOY Mark (EXT); CORNELL Veronica (EXT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. AREVA NP submitted Supplement 1 to the response on March 12, 2010, to address 3 of the remaining 6 questions.

The response to Question 03.08.04-09 is affected as a result of work currently underway to address NRC comments from the April 26, 2010, audit and a revised schedule is provided below. However, the response



date for all three questions will be revised based on information presented at the June 9, 2010 public meeting and subsequent NRC feedback.

Question #	Response Date
RAI 335 — 03.08.01-44	August 13, 2010
RAI 335 — 03.08.04-09	August 13, 2010
RAI 335 — 03.08.04-10	August 13, 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](mailto:Martin.Bryan.ext@areva.com)

---

**From:** BRYAN Martin (EXT)  
**Sent:** Friday, March 12, 2010 5:06 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); VAN NOY Mark (EXT); GARDNER George Darrell (AREVA NP INC)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 1

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 335 on January 18, 2010. The attached file, "RAI 335 Supplement 1 Response US EPR DC.pdf" provides technically correct and complete responses to 3 of the remaining 6 questions, as committed. The response to Question 03.08.04-10 is deferred due to its dependency on results of work currently underway to support other responses on related topics.

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 335 Questions 03.08.01-45, and 03.08.04-8.

The following table indicates the respective pages in the response document, "RAI 335 Supplement 1 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 335 — 03.08.01-45	2	2
RAI 335 — 03.08.01-46	3	3
RAI 335 — 03.08.04-08	4	5

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

Question #	Response Date
RAI 335 — 03.08.01-44	August 13, 2010

RAI 335 — 03.08.04-09	June 4, 2010
RAI 335 — 08.08.04-10	August 13, 2010

Sincerely,

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

---

**From:** DUNCAN Leslie E (AREVA NP INC)  
**Sent:** Monday, January 18, 2010 3:24 PM  
**To:** 'Tefaye, Getachew'  
**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. 335, FSAR Ch. 3

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 335 Response US EPR DC.pdf" provides a schedule since technically correct and complete responses to the 6 questions are not provided.

The following table indicates the respective pages in the response document, "RAI 335 Response US EPR DC.pdf" that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 335 - 03.08.01-44	2	3
RAI 335 - 03.08.01-45	4	4
RAI 335 - 03.08.01-46	5	5
RAI 335 - 03.08.04-08	6	6
RAI 335 - 03.08.04-09	7	7
RAI 335 - 03.08.04-10	8	9

A complete answer is not provided for 6 of the 6 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Response Date
RAI 335 - 03.08.01-44	August 13, 2010
RAI 335 - 03.08.01-45	March 12, 2010
RAI 335 - 03.08.01-46	March 12, 2010
RAI 335 - 03.08.04-08	March 12, 2010
RAI 335 - 03.08.04-09	June 4, 2010
RAI 335 - 03.08.04-10	March 12, 2010

Sincerely,

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

---

**From:** Tesfaye, Getachew [<mailto:Getachew.Tesfaye@nrc.gov>]  
**Sent:** Saturday, December 05, 2009 6:52 AM  
**To:** ZZ-DL-A-USEPR-DL  
**Cc:** Xu, Jim; Hawkins, Kimberly; Patel, Jay; Miernicki, Michael; Colaccino, Joseph; ArevaEPRDCPEm Resource  
**Subject:** U.S. EPR Design Certification Application RAI No. 335 (4059, 4061),FSAR Ch. 3

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on November 30, 2009, and on December 4, 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 with the exception of typographical error correction in Draft RAI Question 03.08.04-8 identified by AREVA. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs, excluding the time period of **December 25, 2009 thru January 3, 2010, to account for the holiday season** as discussed with AREVA NP. For any RAIs that cannot be answered **within 40 days**, it is expected that a date for receipt of this information will be provided to the staff within the 40-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:** 4581

**Mail Envelope Properties** (554210743EFE354B8D5741BEB695E6561A9F6F)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 335, FSAR Ch. 3, Supplement 20  
**Sent Date:** 6/28/2013 6:56:52 PM  
**Received Date:** 6/28/2013 6:56:58 PM  
**From:** WILLIFORD Dennis (AREVA)

**Created By:** Dennis.Williford@areva.com

**Recipients:**

"Miernicki, Michael" <Michael.Miernicki@nrc.gov>

Tracking Status: None

"ANDERSON Katherine (EXTERNAL AREVA)" <katherine.anderson.ext@areva.com>

Tracking Status: None

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

Tracking Status: None

"LEIGHLITER John (AREVA)" <John.Leighliter@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

"Snyder, Amy" <Amy.Snyder@nrc.gov>

Tracking Status: None

**Post Office:** FUSLYNCMX03.fdom.ad.corp

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	53561	6/28/2013 6:56:58 PM

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**