

## ArevaEPRDCPEm Resource

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**From:** WELLS Russell (AREVA) [Russell.Wells@areva.com]  
**Sent:** Tuesday, March 22, 2011 2:59 PM  
**To:** Tesfaye, Getachew  
**Cc:** HAMMOND Philip (AREVA); CORNELL Veronica (EXTERNAL AREVA); BENNETT Kathy (AREVA); DELANO Karen (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 384, FSAR Ch. 3, Supplement 12

Getachew,

AREVA NP Inc. letter NRC 11:025 dated March 22, 2011 provides a technically correct and complete response to 1 of the 2 remaining questions (i.e., Question 03.09.02-68) for RAI 384. AREVA NP considers some of the material contained in the response to be proprietary information. As required by 10 CFR 2.390(b), an affidavit is provided to support the withholding of the proprietary information from public disclosure. Proprietary and non-proprietary versions of the enclosure to this letter are provided separately.

The following table indicates the respective pages in the enclosure that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 384 — 03.09.02-68	2	29

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

Question #	Response Date
RAI 384 — 03.04.02-13	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)*

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**From:** WELLS Russell (RS/NB)  
**Sent:** Tuesday, March 01, 2011 9:15 AM  
**To:** 'Tesfaye, Getachew'  
**Cc:** CORNELL Veronica (External RS/NB); BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); HAMMOND Philip (RS/PT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 384, FSAR Ch. 3, Supplement 11

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. AREVA NP submitted Supplement 1 on July 29, 2010, to provide a FINAL response to 1 of the remaining 9 questions. AREVA NP submitted Supplement 2 on July 29, 2010, to provide an INTERIM response to Question 03.04.02-13. AREVA NP submitted Supplement 3 on August 12, 2010, to provide a FINAL response to Question 03.04.02-14. AREVA NP submitted Supplement 4 on August 30, 2010, to provide a FINAL response to 4 of the 7 remaining questions (i.e., Questions 03.08.04-11 through 03.08.04-14). AREVA NP submitted Supplement 5 on September 7, 2010 to provide a FINAL response to 1 of the 3 remaining questions (i.e., Question 03.10-31). AREVA NP submitted Supplement 6 on November 10, 2010 to revise the schedule for Question 03.09.02-68 to allow additional time to interact with the NRC. AREVA NP submitted Supplement 7 on December 7, 2010 to revise the schedule for Question 03.09.02-68 to allow additional time to interact with the NRC. AREVA NP submitted Supplement 8 on January 12, 2011 to revise the schedule for Question 03.04.02-13 to allow additional time to interact with the NRC. AREVA NP submitted Supplement 9 on January 20, 2011, to revise the schedule for Question 03.09.02-68. AREVA NP submitted Supplement 10 on February 11, 2011, to revise the schedule for Question 03.04.02-13.

The schedule for a technically correct and complete response to Question 03.09.02-68 is revised to allow additional time for AREVA NP to interact with the NRC. The schedule for the remaining question is unchanged.

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

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	April 8, 2011
RAI 384 — 03.09.02-68	N/A	<b>April 13, 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)*

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**From:** BRYAN Martin (External RS/NB)

**Sent:** Friday, February 11, 2011 2:55 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. 384, FSAR Ch. 3, Supplement 10

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. AREVA NP submitted Supplement 1 on July 29, 2010, to provide a FINAL response to 1 of the remaining 9 questions. AREVA NP submitted Supplement 2 on July 29, 2010, to provide an INTERIM response to Question 03.04.02-13. AREVA NP submitted Supplement 3 on August 12, 2010, to provide a

FINAL response to Question 03.04.02-14. AREVA NP submitted Supplement 4 on August 30, 2010, to provide a FINAL response to 4 of the 7 remaining questions (i.e., Questions 03.08.04-11 through 03.08.04-14). AREVA NP submitted Supplement 5 on September 7, 2010 to provide a FINAL response to 1 of the 3 remaining questions (i.e., Question 03.10-31). AREVA NP submitted Supplement 6 on November 10, 2010 to revise the schedule for Question 03.09.02-68 to allow additional time to interact with the NRC. AREVA NP submitted Supplement 7 on December 7, 2010 to revise the schedule for Question 03.09.02-68 to allow additional time to interact with the NRC. AREVA NP submitted Supplement 8 on January 12, 2011 to revise the schedule for Question 03.04.02-13 to allow additional time to interact with the NRC. AREVA NP submitted Supplement 9 on January 20, 2011, to revise the schedule for Question 03.09.02-68

The schedule for Question 03.04.02-13 has changed. The schedule for the remaining question is unchanged.

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

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	April 8, 2011
RAI 384 — 03.09.02-68	N/A	March 9, 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)

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**From:** BRYAN Martin (External RS/NB)  
**Sent:** Thursday, January 20, 2011 10:56 AM  
**To:** 'Tsfaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); HAMMOND Philip (RS/PT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 384, FSAR Ch. 3, Supplement 9

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. AREVA NP submitted Supplement 1 on July 29, 2010, to provide a FINAL response to 1 of the remaining 9 questions. AREVA NP submitted Supplement 2 on July 29, 2010, to provide an INTERIM response to Question 03.04.02-13. AREVA NP submitted Supplement 3 on August 12, 2010, to provide a FINAL response to Question 03.04.02-14. AREVA NP submitted Supplement 4 on August 30, 2010, to provide a FINAL response to 4 of the 7 remaining questions (i.e., Questions 03.08.04-11 through 03.08.04-14). AREVA NP submitted Supplement 5 on September 7, 2010 to provide a FINAL response to 1 of the 3 remaining questions (i.e., Question 03.10-31). AREVA NP submitted Supplement 6 on November 10, 2010 to revise the schedule for Question 03.09.02-68 to allow additional time to interact with the NRC. AREVA NP submitted Supplement 7 on December 7, 2010 to revise the schedule for Question 03.09.02-68 to allow additional time to interact with the NRC. AREVA NP submitted Supplement 8 on January 12, 2011 to revise the schedule for Question 03.04.02-13 to allow additional time to interact with the NRC. The schedule for Question 03.09.02-68 is being revised to allow additional time for AREVA NP to address NRC comments.

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

Question #	Interim Response Date	Response Date
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RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	February 24, 2011
RAI 384 — 03.09.02-68	N/A	March 9, 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)

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**From:** BRYAN Martin (External RS/NB)  
**Sent:** Wednesday, January 12, 2011 6:16 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. 384, FSAR Ch. 3, Supplement 8

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. AREVA NP submitted Supplement 1 on July 29, 2010, to provide a FINAL response to 1 of the remaining 9 questions. AREVA NP submitted Supplement 2 on July 29, 2010, to provide an INTERIM response to Question 03.04.02-13. AREVA NP submitted Supplement 3 on August 12, 2010, to provide a FINAL response to Question 03.04.02-14. AREVA NP submitted Supplement 4 on August 30, 2010, to provide a FINAL response to 4 of the 7 remaining questions (i.e., Questions 03.08.04-11 through 03.08.04-14). AREVA NP submitted Supplement 5 on September 7, 2010 to provide a FINAL response to 1 of the 3 remaining questions (i.e., Question 03.10-31). AREVA NP submitted Supplement 6 and Supplement 7 on November 10, 2010 and December 7, 2010, respectively to revise the schedule for Question 03.09.02-68 to allow additional time to interact with the NRC.

The schedule for Question 03.04.02-13 is being revised to allow additional time for AREVA NP to interact with the NRC.

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

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	February 24, 2011
RAI 384 — 03.09.02-68	N/A	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](mailto:Martin.Bryan.ext@areva.com)

**From:** BRYAN Martin (External RS/NB)  
**Sent:** Tuesday, December 07, 2010 1:50 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); HAMMOND Philip (RS/PT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 384, FSAR Ch. 3, Supplement 7

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. AREVA NP submitted Supplement 1 on July 29, 2010, to provide a FINAL response to 1 of the remaining 9 questions. AREVA NP submitted Supplement 2 on July 29, 2010, to provide an INTERIM response to Question 03.04.02-13. AREVA NP submitted Supplement 3 on August 12, 2010, to provide a FINAL response to Question 03.04.02-14. AREVA NP submitted Supplement 4 on August 30, 2010, to provide a FINAL response to 4 of the 7 remaining questions (i.e., Questions 03.08.04-11 through 03.08.04-14). AREVA NP submitted Supplement 5 on September 7, 2010 to provide a FINAL response to 1 of the 3 remaining questions (i.e., Question 03.10-31). AREVA NP submitted Supplement 6 on November 10, 2010 to revise the schedule for Question 03.09.02-68 to allow additional time to interact with the NRC. The schedule for Question 03.09.02-68 is being revised again to allow additional time for AREVA NP to interact with the NRC.

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

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	January 17, 2011
RAI 384 — 03.09.02-68	N/A	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](mailto:Martin.Bryan.ext@areva.com)

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**From:** BRYAN Martin (External RS/NB)  
**Sent:** Wednesday, November 10, 2010 10:08 AM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); HAMMOND Philip (RS/PT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 384, FSAR Ch. 3, Supplement 6

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. AREVA NP submitted Supplement 1 on July 29, 2010, to provide a FINAL response to 1 of the remaining 9 questions. AREVA NP submitted Supplement 2 on July 29, 2010, to provide an INTERIM response to Question 03.04.02-13. AREVA NP submitted Supplement 3 on August 12, 2010, to provide a FINAL response to Question 03.04.02-14. AREVA NP submitted Supplement 4 on August 30, 2010, to provide a FINAL response to 4 of the 7 remaining questions (i.e., Questions 03.08.04-11 through 03.08.04-14). AREVA NP submitted Supplement 5 on September 7, 2010 to provide a FINAL response to 1 of the 3

remaining questions (i.e., Question 03.10-31). The schedule for Question 03.09.02-68 is being revised to allow additional time for AREVA NP to interact with the NRC.

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

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	January 17, 2011
RAI 384 — 03.09.02-68	N/A	December 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](mailto:Martin.Bryan.ext@areva.com)

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**From:** BRYAN Martin (External RS/NB)  
**Sent:** Tuesday, September 07, 2010 5:57 PM  
**To:** Tesfaye, Getachew  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); WELLS Russell (RS/NB); Miernicki, Michael  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 384, FSAR Ch. 3, Supplement 5

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. AREVA NP submitted Supplement 1 on July 29, 2010, to provide a FINAL response to 1 of the remaining 9 questions. AREVA NP submitted Supplement 2 on July 29, 2010, to provide an INTERIM response to Question 03.04.02-13. AREVA NP submitted Supplement 3 on August 12, 2010, to provide a FINAL response to Question 03.04.02-14. AREVA NP submitted Supplement 4 on August 30, 2010, to provide a FINAL response to 4 of the 7 remaining questions (i.e., Questions 03.08.04-11 through 03.08.04-14).

The attached file, "RAI 384 Supplement 5 Response US EPR DC.pdf" provides a technically correct and complete FINAL response to 1 of the 3 remaining questions (i.e., Question 03.10-31), as committed.

The following table indicates the respective pages in the response document, RAI 384 Supplement 5 Response US EPR DC.pdf," that contains AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 384 — 03.10-31	2	3

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

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	January 17, 2011
RAI 384 — 03.09.02-68	N/A	November 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](mailto:Martin.Bryan.ext@areva.com)

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**From:** BRYAN Martin (External RS/NB)  
**Sent:** Monday, August 30, 2010 3:41 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. 384, FSAR Ch. 3, Supplement 4

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. AREVA NP submitted Supplement 1 on July 29, 2010, to provide a FINAL response to 1 of the remaining 9 questions. AREVA NP submitted Supplement 2 on July 29, 2010, to provide an INTERIM response to Question 03.04.02-13. AREVA NP submitted Supplement 3 on August 12, 2010, to provide a FINAL response to Question 03.04.02-14.

The attached file, "RAI 384 Supplement 4 Response US EPR DC.pdf" provides technically correct and complete FINAL responses to Questions 03.08.04-11 to 03.08.04-14, as committed.

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 384 Supplement 4.

The schedule for Question 03.09.02-68 is being revised to allow additional time for AREVA NP to address NRC comments. The schedule for the remaining 2 questions is unchanged.

The following table indicates the respective pages in the response document, RAI 384 Supplement 4 Response US EPR DC.pdf," that contains AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 384 — 03.08.04-11	2	5
RAI 384 — 03.08.04-12	6	11
RAI 384 — 03.08.04-13	12	12
RAI 384 — 03.08.04-14	13	14

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

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	January 17, 2011
RAI 384 — 03.09.02-68	N/A	November 15, 2010
RAI 384 — 03.10-31	N/A	September 7, 2010

Sincerely,

Martin (Marty) C. Bryan  
U.S. EPR Design Certification Licensing Manager  
AREVA NP Inc.  
Tel: (434) 832-3016



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**From:** BRYAN Martin (EXT)  
**Sent:** Thursday, August 12, 2010 6:44 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); CORNELL Veronica (EXT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 384, FSAR Ch. 3, Supplement 3

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. AREVA NP submitted Supplement 1 to the response on July 29, 2010, to provide a FINAL response to 1 of the remaining 9 questions. AREVA NP submitted Supplement 2 to the response on July 29, 2010, to provide an INTERIM response to Question 03.04.02-13.

The attached file, "RAI 384 Supplement 3 Response US EPR DC.pdf" provides a technically correct and complete FINAL response to 1 of the remaining 9 questions, as committed.

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 384 Question 03.04.02-14.

The following table indicates the respective pages in the response document, RAI 384 Supplement 3 Question 03.04.02-14 Response US EPR DC.pdf," that contains AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 384 — 03.04.02-14	2	3

The schedule for technically correct and complete responses to the remaining 7 questions is unchanged and provided below:

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	January 17, 2011
RAI 384 — 03.08.04-11	N/A	August 30, 2010
RAI 384 — 03.08.04-12	N/A	August 30, 2010
RAI 384 — 03.08.04-13	N/A	August 30, 2010
RAI 384 — 03.08.04-14	N/A	August 30, 2010
RAI 384 — 03.09.02-68	N/A	August 30, 2010
RAI 384 — 03.10-31	N/A	September 7, 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:** Thursday, July 29, 2010 8:49 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. 384, FSAR Ch. 3, Supplement 2 - Interim

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. A correction to the table was made on July 7, 2010. AREVA NP submitted Supplement 1 to the response on July 29, 2010, to provide a final response to 1 of the remaining 8 questions. The attached file, "RAI 384 Supplement 2 Question 03.04.02-13 INTERIM Response US EPR DC.pdf" provides a technically correct and complete INTERIM response to 1 of the remaining 8 questions, as committed.

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 384 Question 03.04.02-13.

The following table indicates the respective pages in the response document, RAI 384 Supplement 2 Question 03.04.02-13 INTERIM Response US EPR DC.pdf," that contains AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 384 — 03.04.02-13	2	2

The schedule for technically correct and complete responses to the remaining 9 questions is unchanged and provided below:

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010 (Actual)	January 17, 2011
RAI 384 — 03.04.02-14	N/A	August 12, 2010
RAI 384 — 03.08.04-11	N/A	August 30, 2010
RAI 384 — 03.08.04-12	N/A	August 30, 2010
RAI 384 — 03.08.04-13	N/A	August 30, 2010
RAI 384 — 03.08.04-14	N/A	August 30, 2010
RAI 384 — 03.09.02-68	N/A	August 30, 2010
RAI 384 — 03.10-31	N/A	September 7, 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)

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**From:** BRYAN Martin (EXT)

**Sent:** Thursday, July 29, 2010 6:21 PM

**To:** 'Tesfaye, 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. 384, FSAR Ch. 3, Supplement 1

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responses to 9 of the 9 questions of RAI No. 384 on June 22, 2010. An editorial correction to the table was provided on July 7, 2010.

The attached file, "RAI 384 Supplement 1 Response U.S. EPR DC.pdf" provides technically correct and complete response to Question 03.03.02-05.

The following table indicates the respective pages in the response document, "RAI 384 Supplement 1 Response U.S. EPR DC - .pdf," that contain AREVA NP's final response to the subject question.

Question #	Start Page	End Page
RAI 384 — 03.03-02-05	2	3

The schedule for technically correct and complete INTERIM (1) and FINAL (8) responses to the remaining questions is unchanged and provided below:

Question #	Interim Response Date	Response Date
RAI 384 — 03.04.02-13	July 29, 2010	January 17, 2011
RAI 384 — 03.04.02-14	N/A	August 12, 2010
RAI 384 — 03.08.04-11	N/A	August 30, 2010
RAI 384 — 03.08.04-12	N/A	August 30, 2010
RAI 384 — 03.08.04-13	N/A	August 30, 2010
RAI 384 — 03.08.04-14	N/A	August 30, 2010
RAI 384 — 03.09.02-68	N/A	August 30, 2010
RAI 384 — 03.10-31	N/A	September 7, 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)

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**From:** BRYAN Martin (EXT)

**Sent:** Wednesday, July 07, 2010 1:46 PM

**To:** 'Tesfaye, Getachew'

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

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 384, FSAR Ch. 3

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 384 Response US EPR DC.pdf" provides a schedule since a technically correct and complete response to the 9 questions is not provided.

The following table indicates the respective pages in the response document, "RAI 384 Response US EPR DC.pdf" that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 384 — 03.03.02-05	2	2
RAI 384 — 03.04.02-13	3	3
RAI 384 — 03.04.02-14	4	4
RAI 384 — 03.08.04-11	5	5
RAI 384 — 03.08.04-12	6	7
RAI 384 — 03.08.04-13	8	8
RAI 384 — 03.08.04-14	9	9
RAI 384 — 03.09.02-68	10	10
RAI 384 — 03.10-31	11	11

A complete answer is not provided for 9 of the 9 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Interim Response Date	Response Date
RAI 384 — 03.03.02-05	N/A	July 29, 2010
RAI 384 — 03.04.02-13	July 29, 2010	January 17, 2011
RAI 384 — 03.04.02-14	N/A	August 12, 2010
RAI 384 — 03.08.04-11	N/A	August 30, 2010
RAI 384 — 03.08.04-12	N/A	August 30, 2010
RAI 384 — 03.08.04-13	N/A	August 30, 2010
RAI 384 — 03.08.04-14	N/A	August 30, 2010
RAI 384 — 03.09.02-68	N/A	August 30, 2010
RAI 384 — 03.10-31	N/A	September 7, 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)

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**From:** Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]  
**Sent:** Thursday, May 20, 2010 11:38 AM  
**To:** ZZ-DL-A-USEPR-DL  
**Cc:** Jeng, David; Kazi, Abdul; Hawkins, Kimberly; Wong, Yuken; Chen, Pei-Ying; Dixon-Herrity, Jennifer; Miernicki, Michael; Patel, Jay; Carneal, Jason; Colaccino, Joseph; ArevaEPRDCPEm Resource  
**Subject:** U.S. EPR Design Certification Application RAI No. 384(4350,4351,4469,4498,4527), FSAR Ch. 3

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on March 23, 2010, and on May 18, 2010, you informed us that the RAI is clear and no further clarification is needed. As a result, no change is made to the draft RAI. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this information will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the published schedule.

Thanks,  
Getachew Tesfaye  
Sr. Project Manager  
NRO/DNRL/NARP  
(301) 415-3361

**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 2737

**Mail Envelope Properties** (1F1CC1BBDC66B842A46CAC03D6B1CD410420FFF7)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 384, FSAR Ch. 3, Supplement 12  
**Sent Date:** 3/22/2011 2:58:31 PM  
**Received Date:** 3/22/2011 2:58:55 PM  
**From:** WELLS Russell (AREVA)

**Created By:** Russell.Wells@areva.com

**Recipients:**

"HAMMOND Philip (AREVA)" <Philip.Hammond@areva.com>

Tracking Status: None

"CORNELL Veronica (EXTERNAL AREVA)" <Veronica.Cornell.ext@areva.com>

Tracking Status: None

"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

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

Tracking Status: None

**Post Office:** AUSLYNCMX02.adom.ad.corp

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	28283	3/22/2011 2:58:55 PM

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**