

ArevaEPRDCPEm Resource

From: BRYAN Martin (EXTERNAL AREVA) [Martin.Bryan.ext@areva.com]
Sent: Friday, October 01, 2010 2:31 PM
To: Tesfaye, Getachew
Cc: DELANO Karen (AREVA); ROMINE Judy (AREVA); BENNETT Kathy (AREVA); CORNELL Veronica (EXTERNAL AREVA)
Subject: Response to U.S. EPR Design Certification Application RAI No. 354, FSAR Ch. 3, Supplement 9

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 22 questions of RAI No. 354 on April 15, 2010, and a schedule for the remaining 21 questions. AREVA NP submitted Supplement 1 on June 3, 2010, to provide a schedule for the remaining 21 questions. Supplement 2 was submitted on June 24, 2010, and included a revised schedule for Questions 03.08.02-11, 12, 13, 14, 15, 16; 03.08.05-22 and 03.08.05-23. AREVA NP submitted Supplement 3 on July 7, 2010, responding to 1 of the remaining 21 questions. AREVA NP submitted Supplement 4 on July 30, 2010, to provide final responses to Questions 03.06.02-32, 03.06.02-41 and 03.08.02-16 and a revised schedule for Questions 03.06.02-33 through 03.06.02-40. On August 5, 2010, AREVA NP provided a revised schedule for Questions 03.06.02-42 and 03.08.05-23 in Supplement 5. AREVA NP submitted Supplement 6 on August 31, 2010, to provide final responses to 5 of the remaining 17 questions. On September 8, 2010, AREVA NP submitted Supplement 7 to provide a revised schedule for the response to Question 03.08.05-21. On September 13, 2010, AREVA NP provided an INTERIM response to Question 03.08.05-22 in Supplement 8.

The schedule for Question 03.08.05-23 is being revised to allow additional time for AREVA NP to interact with the NRC. The schedule for the remaining questions is unchanged.

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

| Question # | Interim Response Date | Response Date |
|-----------------------|--|-------------------|
| RAI 354 - 03.08.02-13 | | November 1, 2010 |
| RAI 354 - 03.08.05-21 | | October 7, 2010 |
| RAI 354 - 03.08.05-22 | September 15, 2010 (Actual September 13, 2010) | January 13, 2011 |
| RAI 354 - 03.08.05-23 | | November 18, 2010 |
| RAI 354 - 03.06.02-33 | | November 18, 2010 |
| RAI 354 - 03.06.02-34 | | November 18, 2010 |
| RAI 354 - 03.06.02-35 | | November 18, 2010 |
| RAI 354 - 03.06.02-36 | | November 18, 2010 |
| RAI 354 - 03.06.02-37 | | November 18, 2010 |
| RAI 354 - 03.06.02-38 | | November 18, 2010 |
| RAI 354 - 03.06.02-39 | | November 18, 2010 |
| RAI 354 - 03.06.02-40 | | November 18, 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 (External RS/NB)
Sent: Monday, September 13, 2010 5:09 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. 354, FSAR Ch. 3, Supplement 8

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 22 questions of RAI No. 354 on April 15, 2010, and a schedule for the remaining 21 questions. AREVA NP submitted Supplement 1 on June 3, 2010, to provide a schedule for the remaining 21 questions. Supplement 2 was submitted on June 24, 2010, and included a revised schedule for Questions 03.08.02-11, 12, 13, 14, 15, 16; 03.08.05-22 and 03.08.05-23. AREVA NP submitted Supplement 3 on July 7, 2010, responding to 1 of the remaining 21 questions. AREVA NP submitted Supplement 4 on July 30, 2010, to provide final responses to Questions 03.06.02-32, 03.06.02-41 and 03.08.02-16 and a revised schedule for Questions 03.06.02-33 through 03.06.02-40. On August 5, 2010, AREVA NP provided a revised schedule for Questions 03.06.02-42 and 03.08.05-23 in Supplement 5. AREVA NP submitted Supplement 6 on August 31, 2010, to provide final responses to 5 of the remaining 17 questions. On September 8, 2010, AREVA NP submitted Supplement 7 to provide a revised schedule for the response to Question 03.08.05-21.

AREVA NP recently notified the NRC of its intent to submit an INTERIM response to Question 03.08.05-22. The attached file, "RAI 354 Supplement 8 Response US EPR DC-INTERIM.pdf" provides a technically correct and complete INTERIM response to Question 03.08.05-22, as committed. The schedule for the remaining questions is unchanged.

The following table indicates the respective pages in the response document, RAI 354 Supplement 8 Response US EPR DC - INTERIM.pdf," that contains AREVA NP's response to the subject question.

| Question # | Start Page | End Page |
|-----------------------|------------|----------|
| RAI 354 - 03.08.05-22 | 2 | 3 |

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

| Question # | Interim Response Date | Response Date |
|-----------------------|--|-------------------|
| RAI 354 - 03.08.02-13 | | November 1, 2010 |
| RAI 354 - 03.08.05-21 | | October 7, 2010 |
| RAI 354 - 03.08.05-22 | September 15, 2010 (Actual September 13, 2010) | January 13, 2011 |
| RAI 354 - 03.08.05-23 | | October 1, 2010 |
| RAI 354 - 03.06.02-33 | | November 18, 2010 |
| RAI 354 - 03.06.02-34 | | November 18, 2010 |
| RAI 354 - 03.06.02-35 | | November 18, 2010 |
| RAI 354 - 03.06.02-36 | | November 18, 2010 |
| RAI 354 - 03.06.02-37 | | November 18, 2010 |
| RAI 354 - 03.06.02-38 | | November 18, 2010 |
| RAI 354 - 03.06.02-39 | | November 18, 2010 |
| RAI 354 - 03.06.02-40 | | November 18, 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 (External RS/NB)
Sent: Wednesday, September 08, 2010 6:09 PM
To: Tesfaye, Getachew
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); 'Miernicki, Michael'; CORNELL Veronica (External RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 354, FSAR Ch. 3, Supplement 7

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 22 questions of RAI No. 354 on April 15, 2010, and a schedule for the remaining 21 questions. AREVA NP submitted Supplement 1 on June 3, 2010, to provide a schedule for the remaining 21 questions. Supplement 2 was submitted on June 24, 2010, and included a revised schedule for Questions 03.08.02-11, 12, 13, 14, 15, 16; 03.08.05-22 and 03.08.05-23. AREVA NP submitted Supplement 3 on July 7, 2010, responding to 1 of the remaining 21 questions. AREVA NP submitted Supplement 4 on July 30, 2010, to provide final responses to Questions 03.06.02-32, 03.06.02-41 and 03.08.02-16 and a revised schedule for Questions 03.06.02-33 through 03.06.02-40. On August 5, 2010 AREVA NP provided a revised schedule for Questions 03.06.02-42 and 03.08.05-23 in Supplement 5. On August 31, 2010, AREVA NP submitted final responses to 5 of the remaining 17 questions.

The schedule for Question 03.08.05-21 is being revised to allow additional time for AREVA NP to interact with the NRC on the draft response. The schedule for the remaining questions is unchanged.

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

| Question # | Response Date |
|-----------------------|------------------------|
| RAI 354 - 03.08.02-13 | November 1, 2010 |
| RAI 354 - 03.08.05-21 | October 7, 2010 |
| RAI 354 - 03.08.05-22 | January 13, 2011 |
| RAI 354 - 03.08.05-23 | October 1, 2010 |
| RAI 354 - 03.06.02-33 | November 18, 2010 |
| RAI 354 - 03.06.02-34 | November 18, 2010 |
| RAI 354 - 03.06.02-35 | November 18, 2010 |
| RAI 354 - 03.06.02-36 | November 18, 2010 |
| RAI 354 - 03.06.02-37 | November 18, 2010 |
| RAI 354 - 03.06.02-38 | November 18, 2010 |
| RAI 354 - 03.06.02-39 | November 18, 2010 |
| RAI 354 - 03.06.02-40 | November 18, 2010 |

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Tuesday, August 31, 2010 4:28 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. 354, FSAR Ch. 3, Supplement 6

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 22 questions of RAI No. 354 on April 15, 2010, and a schedule for the remaining 21 questions. AREVA NP submitted Supplement 1 on June 3, 2010, to provide a schedule for the remaining 21 questions. Supplement 2 was submitted on June 24, 2010, and included a revised schedule for Questions 03.08.02-11, 12, 13, 14, 15, 16; 03.08.05-22 and 03.08.05-23. AREVA NP submitted Supplement 3 on July 7, 2010, responding to 1 of the remaining 21 questions. AREVA NP submitted Supplement 4 on July 30, 2010, to provide final responses to Questions 03.06.02-32, 03.06.02-41 and 03.08.02-16 and a revised schedule for Questions 03.06.02-33 through 03.06.02-40. On August 5, 2010 AREVA NP provided a revised schedule for Questions 03.06.02-42 and 03.08.05-23 in Supplement 5.

The attached file, "RAI 354 Supplement 6 Response US EPR DC.pdf" provides technically correct and complete FINAL responses to Questions 03.06.02-42 and 03.08.02-11 to 03.08.02-15, as committed. Because the response file contains security-related sensitive information that should be withheld from public disclosure in accordance with 10 CFR 2.390, a public version is provided with the security-related sensitive information redacted. This email and attached file do not contain any security-related information. An unredacted security-related version is provided under separate email.

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 354 Supplement 6.

The schedule for Question 03.08.02-13 is being revised to allow additional time for AREVA NP to address NRC comments. The schedule for the remaining questions is unchanged.

The following table indicates the respective pages in the response document, RAI 354 Supplement 6 Response US EPR DC.pdf," that contains AREVA NP's response to the subject question.

| Question # | Start Page | End Page |
|-----------------------|-------------------|-----------------|
| RAI 354 - 03.08.02-11 | 2 | 4 |
| RAI 354 - 03.08.02-12 | 5 | 6 |
| RAI 354 - 03.08.02-14 | 7 | 8 |
| RAI 354 - 03.08.02-15 | 9 | 10 |
| RAI 354 - 03.06.02-42 | 11 | 12 |

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

| Question # | Response Date |
|-----------------------|-------------------------|
| RAI 354 - 03.08.02-13 | November 1, 2010 |
| RAI 354 - 03.08.05-21 | September 8, 2010 |
| RAI 354 - 03.08.05-22 | January 13, 2011 |
| RAI 354 - 03.08.05-23 | October 1, 2010 |
| RAI 354 - 03.06.02-33 | November 18, 2010 |
| RAI 354 - 03.06.02-34 | November 18, 2010 |
| RAI 354 - 03.06.02-35 | November 18, 2010 |

| Question # | Response Date |
|-----------------------|-------------------|
| RAI 354 - 03.06.02-36 | November 18, 2010 |
| RAI 354 - 03.06.02-37 | November 18, 2010 |
| RAI 354 - 03.06.02-38 | November 18, 2010 |
| RAI 354 - 03.06.02-39 | November 18, 2010 |
| RAI 354 - 03.06.02-40 | November 18, 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: Thursday, August 05, 2010 6:23 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); CORNELL Veronica (EXT); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 354, FSAR Ch. 3, Supplement 5

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 22 questions of RAI No. 354 on April 15, 2010, and a schedule for the remaining 21 questions. AREVA NP submitted Supplement 1 on June 3, 2010, to provide a schedule for the remaining 21 questions. Supplement 2 was submitted on June 24, 2010, and included a revised schedule for Questions 03.08.02-11, 12, 13, 14, 15, 16; 03.08.05-22 and 03.08.05-23. AREVA NP submitted Supplement 3 on July 7, 2010, responding to 1 of the remaining 21 questions. AREVA NP submitted Supplement 4 on July 30, 2010, to provide final responses to Questions 03.06.02-32, 03.06.02-41 and 03.08.02-16 and a revised schedule for Questions 03.06.02-33 through 03.06.02-40.

The schedule for Questions 03.06.02-42 and 03.08.05-23 is being revised to allow additional time for AREVA NP to address NRC comments. The schedule for the remaining 15 questions is unchanged.

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

| Question # | Response Date |
|-----------------------|------------------------|
| RAI 354 - 03.08.02-11 | August 31, 2010 |
| RAI 354 - 03.08.02-12 | August 31, 2010 |
| RAI 354 - 03.08.02-13 | August 31, 2010 |
| RAI 354 - 03.08.02-14 | August 31, 2010 |
| RAI 354 - 03.08.02-15 | August 31, 2010 |
| RAI 354 - 03.08.05-21 | September 8, 2010 |
| RAI 354 - 03.08.05-22 | January 13, 2011 |
| RAI 354 - 03.08.05-23 | October 1, 2010 |
| RAI 354 - 03.06.02-33 | November 18, 2010 |
| RAI 354 - 03.06.02-34 | November 18, 2010 |
| RAI 354 - 03.06.02-35 | November 18, 2010 |
| RAI 354 - 03.06.02-36 | November 18, 2010 |
| RAI 354 - 03.06.02-37 | November 18, 2010 |

| Question # | Response Date |
|-----------------------|------------------------|
| RAI 354 - 03.06.02-38 | November 18, 2010 |
| RAI 354 - 03.06.02-39 | November 18, 2010 |
| RAI 354 - 03.06.02-40 | November 18, 2010 |
| RAI 354 - 03.06.02-42 | August 31, 2010 |

Sincerely,

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AREVA NP Inc.
Tel: (434) 832-3016
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Martin.Bryan.ext@areva.com

From: BRYAN Martin (EXT)
Sent: Thursday, July 29, 2010 7:40 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); CORNELL Veronica (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 354, FSAR Ch. 3, Supplement 4

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 22 questions of RAI No. 354 on April 15, 2010, and a schedule for the remaining 21 questions. AREVA NP submitted Supplement 1 on June 3, 2010, to provide a schedule for the remaining 21 questions. Supplement 2 was submitted on June 24, 2010, and included a revised schedule for Questions 03.08.02-11, 12, 13, 14, 15, 16; 03.08.05-22 and 03.08.05-23. AREVA NP submitted Supplement 3 on July 7, 2010, responding to 1 of the remaining 21 questions.

The attached file, "RAI 354 Supplement 4 Response U.S. EPR DC.pdf" provides technically correct and complete responses to Questions 03.06.02-32, 03.06.02-41, and 03.08.02-16. Because the response file contains security-related sensitive information that should be withheld from public disclosure in accordance with 10 CFR 2.390, a public version is provided with the security-related sensitive information redacted. This email and attached file do not contain any security-related information. An unredacted security-related version is provided under separate email.

The schedules for Questions 03.06.02-33 through 03.06.02-40 are being revised to allow additional time for AREVA NP to address NRC comments. The schedule for the remaining 9 questions is unchanged.

The following table indicates the respective pages in the response document, "RAI 354 Supplement 4 Response U.S. EPR DC," that contain the AREVA NP response to the subject questions.

| Question # | Start Page | End Page |
|-----------------------|------------|----------|
| RAI 354 - 03.06.02-32 | 2 | 3 |
| RAI 354 - 03.06.02-41 | 4 | 6 |
| RAI 354 - 03.08.02-16 | 7 | 7 |

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

| Question # | Response Date |
|------------|---------------|
|------------|---------------|

| Question # | Response Date |
|-----------------------|-------------------|
| RAI 354 - 03.08.02-11 | August 31, 2010 |
| RAI 354 - 03.08.02-12 | August 31, 2010 |
| RAI 354 - 03.08.02-13 | August 31, 2010 |
| RAI 354 - 03.08.02-14 | August 31, 2010 |
| RAI 354 - 03.08.02-15 | August 31, 2010 |
| RAI 354 - 03.08.05-21 | September 8, 2010 |
| RAI 354 - 03.08.05-22 | January 13, 2011 |
| RAI 354 - 03.08.05-23 | August 10, 2010 |
| RAI 354 - 03.06.02-33 | November 18, 2010 |
| RAI 354 - 03.06.02-34 | November 18, 2010 |
| RAI 354 - 03.06.02-35 | November 18, 2010 |
| RAI 354 - 03.06.02-36 | November 18, 2010 |
| RAI 354 - 03.06.02-37 | November 18, 2010 |
| RAI 354 - 03.06.02-38 | November 18, 2010 |
| RAI 354 - 03.06.02-39 | November 18, 2010 |
| RAI 354 - 03.06.02-40 | November 18, 2010 |
| RAI 354 - 03.06.02-42 | August 5, 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, July 07, 2010 5:27 PM
To: 'Tefsaye, 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. 354, FSAR Ch. 3, Supplement 3

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 22 questions of RAI No. 354 on April 15, 2010, and a schedule for the remaining 21 questions. AREVA NP submitted Supplement 1 on June 3, 2010, to provide a schedule for the remaining 21 questions.

On June 9, 2010, AREVA NP submitted draft Supplement 2 responses to questions 03.08.05-20, 03.08.05-21, 03.06.02-32, 03.06.02-41 and 03.06.02-42. Supplement 2 was submitted on June 24, 2010, and included a revised schedule to reflect the civil/structural re-planning activities and time allowance to interact with the NRC on the responses for 03.08.02-11, 12, 13, 14, 15, 16; 03.08.05-22 and 03.08.05-23.

The attached file, "RAI 354 Response U.S. EPR DC.pdf" provides a technically correct and complete response to Question 03.08.05-20.

The schedule for Question 03.08.05-21 is being revised to accommodate development of a revised response and to allow time to interact with the NRC on the response. The schedule for Questions 03.06.02-32, 03.06.02-41 and 03.06.02-42 is also being revised to provide additional time to interact with the NRC on the responses. The schedule for the remaining 16 questions is unchanged.

The following table indicates the respective pages in the response document, "RAI 354 Response U.S. EPR DC," that contain the AREVA NP response to the subject questions.

| Question # | Start Page | End Page |
|-----------------------|------------|----------|
| RAI 354 — 03.08.05-20 | 2 | 3 |

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

| Question # | Response Date |
|-----------------------|-------------------|
| RAI 354 - 03.08.02-11 | August 31, 2010 |
| RAI 354 - 03.08.02-12 | August 31, 2010 |
| RAI 354 - 03.08.02-13 | August 31, 2010 |
| RAI 354 - 03.08.02-14 | August 31, 2010 |
| RAI 354 - 03.08.02-15 | August 31, 2010 |
| RAI 354 - 03.08.02-16 | August 10, 2010 |
| RAI 354 - 03.08.05-21 | September 8, 2010 |
| RAI 354 - 03.08.05-22 | January 13, 2011 |
| RAI 354 - 03.08.05-23 | August 10, 2010 |
| RAI 354 - 03.06.02-32 | August 5, 2010 |
| RAI 354 - 03.06.02-33 | July 30, 2010 |
| RAI 354 - 03.06.02-34 | July 30, 2010 |
| RAI 354 - 03.06.02-35 | July 30, 2010 |
| RAI 354 - 03.06.02-36 | July 30, 2010 |
| RAI 354 - 03.06.02-37 | July 30, 2010 |
| RAI 354 - 03.06.02-38 | July 30, 2010 |
| RAI 354 - 03.06.02-39 | July 30, 2010 |
| RAI 354 - 03.06.02-40 | July 30, 2010 |
| RAI 354 - 03.06.02-41 | August 5, 2010 |
| RAI 354 - 03.06.02-42 | August 5, 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: Thursday, June 24, 2010 12:29 PM
To: 'Tesyfaye, Getachew'
Cc: 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); DELANO Karen V (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 354, FSAR Ch. 3, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 22 questions of RAI No. 354 on April 15, 2010, and a schedule for the remaining 21 questions. AREVA NP submitted Supplement 1 to the response on June 3, 2010, to provide a schedule for the remaining 21 questions, one of which was 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 questions 03.08.02-11, 12, 13, 14, 15, 16, 03.08.05-22 and 03.08.05-23 has been changed. The schedule for the remaining 13 questions remains unchanged.

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

| Question # | Response Date |
|-----------------------|----------------------|
| RAI 354 - 03.08.02-11 | August 31 |
| RAI 354 - 03.08.02-12 | August 31 |
| RAI 354 - 03.08.02-13 | August 31 |
| RAI 354 - 03.08.02-14 | August 31 |
| RAI 354 - 03.08.02-15 | August 31 |
| RAI 354 - 03.08.02-16 | August 10, 2010 |
| RAI 354 - 03.08.05-20 | July 7, 2010 |
| RAI 354 - 03.08.05-21 | July 7, 2010 |
| RAI 354 - 03.08.05-22 | January 13, 2011 |
| RAI 354 - 03.08.05-23 | August 10, 2010 |
| RAI 354 - 03.06.02-32 | July 7, 2010 |
| RAI 354 - 03.06.02-33 | July 30, 2010 |
| RAI 354 - 03.06.02-34 | July 30, 2010 |
| RAI 354 - 03.06.02-35 | July 30, 2010 |
| RAI 354 - 03.06.02-36 | July 30, 2010 |
| RAI 354 - 03.06.02-37 | July 30, 2010 |
| RAI 354 - 03.06.02-38 | July 30, 2010 |
| RAI 354 - 03.06.02-39 | July 30, 2010 |
| RAI 354 - 03.06.02-40 | July 30, 2010 |
| RAI 354 - 03.06.02-41 | July 7, 2010 |
| RAI 354 - 03.06.02-42 | July 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

From: BRYAN Martin (EXT)

Sent: Thursday, June 03, 2010 6:39 PM

To: 'Tefaye, 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. 354, FSAR Ch. 3, Supplement 1

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 22 questions of RAI No. 354 on April 15, 2010, and a schedule for the remaining 21 questions. The schedule for questions 03.08.02-11 through 15 is not being changed by this supplement. To allow time to interact with the NRC, the schedule for 16 questions is being changed. The date provided below for question 03.08.05-22 will be revised based on the information that will be presented at the June 9, 2010 public meeting and subsequent NRC feedback.

| Question # | Response Date |
|-----------------------|---------------|
| RAI 354 - 03.08.02-11 | July 30, 2010 |
| RAI 354 - 03.08.02-12 | July 30, 2010 |
| RAI 354 - 03.08.02-13 | July 30, 2010 |
| RAI 354 - 03.08.02-14 | July 30, 2010 |
| RAI 354 - 03.08.02-15 | July 30, 2010 |
| RAI 354 - 03.08.02-16 | July 30, 2010 |
| RAI 354 - 03.08.05-20 | July 7, 2010 |
| RAI 354 - 03.08.05-21 | July 7, 2010 |
| RAI 354 - 03.08.05-22 | July 30, 2010 |
| RAI 354 - 03.08.05-23 | July 30, 2010 |
| RAI 354 - 03.06.02-32 | July 7, 2010 |
| RAI 354 - 03.06.02-33 | July 30, 2010 |
| RAI 354 - 03.06.02-34 | July 30, 2010 |
| RAI 354 - 03.06.02-35 | July 30, 2010 |
| RAI 354 - 03.06.02-36 | July 30, 2010 |
| RAI 354 - 03.06.02-37 | July 30, 2010 |
| RAI 354 - 03.06.02-38 | July 30, 2010 |
| RAI 354 - 03.06.02-39 | July 30, 2010 |
| RAI 354 - 03.06.02-40 | July 30, 2010 |
| RAI 354 - 03.06.02-41 | July 7, 2010 |
| RAI 354 - 03.06.02-42 | July 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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Martin.Bryan.ext@areva.com

From: BRYAN Martin (EXT)

Sent: Thursday, April 15, 2010 5:46 PM

To: 'Tefaye, Getachew'

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

Subject: Response to U.S. EPR Design Certification Application RAI No. 354, FSAR Ch. 3

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 354 Response US EPR DC.pdf" provides technically correct and complete responses to 1 of the 22 questions.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 354 Question 03.08.05-19.

The following table indicates the respective pages in the response document, "RAI 354 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

| Question # | Start Page | End Page |
|-----------------------|-------------------|-----------------|
| RAI 354 - 03.08.02-11 | 2 | 2 |
| RAI 354 - 03.08.02-12 | 3 | 3 |
| RAI 354 - 03.08.02-13 | 4 | 4 |
| RAI 354 - 03.08.02-14 | 5 | 5 |
| RAI 354 - 03.08.02-15 | 6 | 6 |
| RAI 354 - 03.08.02-16 | 7 | 7 |
| RAI 354 - 03.08.05-19 | 8 | 8 |
| RAI 354 - 03.08.05-20 | 9 | 9 |
| RAI 354 - 03.08.05-21 | 10 | 10 |
| RAI 354 - 03.08.05-22 | 11 | 11 |
| RAI 354 - 03.08.05-23 | 12 | 12 |
| RAI 354 - 03.06.02-32 | 13 | 13 |
| RAI 354 - 03.06.02-33 | 14 | 14 |
| RAI 354 - 03.06.02-34 | 15 | 15 |
| RAI 354 - 03.06.02-35 | 16 | 16 |
| RAI 354 - 03.06.02-36 | 17 | 17 |
| RAI 354 - 03.06.02-37 | 18 | 18 |
| RAI 354 - 03.06.02-38 | 19 | 19 |
| RAI 354 - 03.06.02-39 | 20 | 20 |
| RAI 354 - 03.06.02-40 | 21 | 21 |
| RAI 354 - 03.06.02-41 | 22 | 22 |
| RAI 354 - 03.06.02-42 | 23 | 24 |

A complete answer is not provided for 21 of the 22 questions. The schedule for a technically correct and complete response to these questions is provided below.

| Question # | Response Date |
|-----------------------|----------------------|
| RAI 354 - 03.08.02-11 | July 30, 2010 |
| RAI 354 - 03.08.02-12 | July 30, 2010 |
| RAI 354 - 03.08.02-13 | July 30, 2010 |
| RAI 354 - 03.08.02-14 | July 30, 2010 |
| RAI 354 - 03.08.02-15 | July 30, 2010 |
| RAI 354 - 03.08.02-16 | June 3, 2010 |
| RAI 354 - 03.08.05-20 | June 3, 2010 |
| RAI 354 - 03.08.05-21 | June 3, 2010 |

| | |
|-----------------------|--------------|
| RAI 354 - 03.08.05-22 | June 3, 2010 |
| RAI 354 - 03.08.05-23 | June 3, 2010 |
| RAI 354 - 03.06.02-32 | June 3, 2010 |
| RAI 354 - 03.06.02-33 | June 3, 2010 |
| RAI 354 - 03.06.02-34 | June 3, 2010 |
| RAI 354 - 03.06.02-35 | June 3, 2010 |
| RAI 354 - 03.06.02-36 | June 3, 2010 |
| RAI 354 - 03.06.02-37 | June 3, 2010 |
| RAI 354 - 03.06.02-38 | June 3, 2010 |
| RAI 354 - 03.06.02-39 | June 3, 2010 |
| RAI 354 - 03.06.02-40 | June 3, 2010 |
| RAI 354 - 03.06.02-41 | June 3, 2010 |
| RAI 354 - 03.06.02-42 | June 3, 2010 |

Sincerely,

Martin (Marty) C. Bryan
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From: Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]
Sent: Tuesday, March 16, 2010 12:29 PM
To: ZZ-DL-A-USEPR-DL
Cc: Xu, Jim; Hawkins, Kimberly; Ng, Ching; Dixon-Herrity, Jennifer; Miernicki, Michael; Patel, Jay; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 354 (4106,4107,4220), FSAR Ch. 3

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on January 8, 2010, and discussed with your staff on February 25, 2010. Drat RAI Questions 03.08.05-23 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: 2080

Mail Envelope Properties (BC417D9255991046A37DD56CF597DB7107C1553C)

Subject: Response to U.S. EPR Design Certification Application RAI No. 354, FSAR Ch. 3, Supplement 9
Sent Date: 10/1/2010 2:30:50 PM
Received Date: 10/1/2010 2:31:46 PM
From: BRYAN Martin (EXTERNAL AREVA)

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

Recipients:

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

Tracking Status: None

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Tracking Status: None

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Tracking Status: None

Post Office: AUSLYNCMX02.adom.ad.corp

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