ArevaEPRDCPEm Resource

From: WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]
Sent: Tuesday, October 18, 2011 5:42 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (AREVA); DELANO Karen (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); WELLS Russell (AREVA)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 30

Getachew,

AREVA NP Inc. letter NRC:11:107 dated October 18, 2011 provides a technically correct and complete final response to 1 of the 7 remaining questions in RAI 422. A revised response is also being provided to Questions 03.09.02-87 and 03.09.02-112. 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 enclosure to this letter includes affected pages of ANP-10306P, "Comprehensive Vibration Assessment Program for U.S. EPR Reactor Internals Technical Report," in redline-strikeout format to support the response to RAI 422 Question 03.09.02-87.

The following table indicates the respective pages in the enclosed response that contain AREVA NP's final response to the subject questions.

Question #	Start Page	End Page
RAI 422 — 03.09.02-87	2	3
RAI 422 — 03.09.02-104	4	9
RAI 422 — 03.09.02-112	10	11

The schedule for a technically correct and complete final response to the remaining 6 questions is unchanged as provided below.

Question #	Response Date
RAI 422 — 03.09.02-99	November 22, 2011
RAI 422 — 03.09.02-103	November 22, 2011
RAI 422 — 03.09.02-107	November 22, 2011
RAI 422 — 03.09.02-108	November 22, 2011
RAI 422 — 03.09.02-114	November 22, 2011
RAI 422 — 03.09.02-119	November 22, 2011

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Tuesday, September 27, 2011 3:14 PM
To: Getachew.Tesfaye@nrc.gov
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 29

Getachew,

AREVA NP Inc. letter NRC:11:104 dated September 27, 2011 provides a technically correct and complete final response to 4 of the 11 remaining questions in RAI 422. 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 enclosure to this letter includes affected pages of ANP-10306P, "Comprehensive Vibration Assessment Program for U.S. EPR Reactor Internals Technical Report," in redline-strikeout format to support the response to RAI 422 Question 03.09.02-101. The markup to this technical report also reflects changes that were provided in the response to RAI 458, Question 03.09.02-151.

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

Question #	Start Page	End Page
RAI 422 — 03.09.02-87	2	3
RAI 422 — 03.09.02-100	4	4
RAI 422 — 03.09.02-101	5	7
RAI 422 — 03.09.02-112	8	8

The schedule for a technically correct and complete final response to the remaining 7 questions has been changed as provided below.

Question #	Response Date
RAI 422 — 03.09.02-99	**November 22, 2011**
RAI 422 — 03.09.02-103	**November 22, 2011**
RAI 422 — 03.09.02-104	**November 22, 2011**
RAI 422 — 03.09.02-107	**November 22, 2011**
RAI 422 — 03.09.02-108	**November 22, 2011**
RAI 422 — 03.09.02-114	**November 22, 2011**
RAI 422 — 03.09.02-119	**November 22, 2011**

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Friday, September 09, 2011 2:42 PM

To: Getachew.Tesfaye@nrc.gov
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 28

Getachew,

AREVA NP Inc. letter NRC:11:087 dated August 19, 2011 provided a technically correct and complete final response to 3 of the remaining 14 questions in RAI 422. The schedule for a technically correct and complete response to the remaining 11 questions has been changed as provided below.

Question #	Response Date
RAI 422 — 03.09.02-87	**October 13, 2011**
RAI 422 — 03.09.02-99	**October 13, 2011**
RAI 422 — 03.09.02-100	**October 13, 2011**
RAI 422 — 03.09.02-101	**October 13, 2011**
RAI 422 — 03.09.02-103	**October 13, 2011**
RAI 422 — 03.09.02-104	**October 13, 2011**
RAI 422 — 03.09.02-107	**October 13, 2011**
RAI 422 — 03.09.02-108	**October 13, 2011**
RAI 422 — 03.09.02-112	**October 13, 2011**
RAI 422 — 03.09.02-114	**October 13, 2011**
RAI 422 — 03.09.02-119	**October 13, 2011**

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Monday, August 22, 2011 8:33 AM
To: Getachew.Tesfaye@nrc.gov
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. 422, FSARCh. 3, Supplement 27

Getachew,

AREVA NP Inc. letter NRC:11:087 dated August 19, 2011 provides a technically correct and complete final response to 3 of the remaining 14 questions in RAI 422. 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 enclosure includes affected pages of ANP-10306P, "Comprehensive Vibration Assessment Program for U.S. EPR Reactor Internals Technical Report," in redline-strikeout format to support the response to RAI 422 Question 03.09.02-85.

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

Question #	Start Page	End Page
RAI 422 — 03.09.02-84	2	2
RAI 422 — 03.09.02-85	3	6
RAI 422 — 03.09.02-110	7	10

The schedule for the technically correct and complete response to the remaining 11 questions is unchanged and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-87	September 13, 2011
RAI 422 — 03.09.02-99	September 13, 2011
RAI 422 — 03.09.02-100	September 13, 2011
RAI 422 — 03.09.02-101	September 13, 2011
RAI 422 — 03.09.02-103	September 13, 2011
RAI 422 — 03.09.02-104	September 13, 2011
RAI 422 — 03.09.02-107	September 13, 2011
RAI 422 — 03.09.02-108	September 13, 2011
RAI 422 — 03.09.02-112	September 13, 2011
RAI 422 — 03.09.02-114	September 13, 2011
RAI 422 — 03.09.02-119	September 13, 2011

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WELLS Russell (RS/NB)
Sent: Friday, July 29, 2011 6:11 PM
To: 'Tesfaye, Getachew'
Cc: WILLIFORD Dennis (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); RYAN Tom (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 26

Getachew,

AREVA NP Inc. letter NRC 11:080 dated July 29, 2011 provides a technically correct and complete final response to 3 of the 17 remaining questions of RAI 422, as shown in the below table. Additionally, the enclosed response contains a revised response to Question 03.09.02-88 which was originally submitted to NRC in RAI 422 Supplement 24. The final response that was submitted to Question 03.09.02-88 in RAI 422 Supplement 24 inadvertently omitted Figure 03.09.02-88-1 from the RAI response. The revised response contains this figure.

AREVA NP considers some of the material contained in the response to be proprietary. As required by 10 CFR 2.390(b), an affidavit is attached to support the withholding of the information from public disclosure. Proprietary and non-proprietary versions of the enclosure to this letter are provided separately.

Appended to this response are affected pages of ANP-10306P, "Comprehensive Vibration Assessment Program for U.S. EPR Reactor Internals Technical Report," in redline-strikeout format which support the response to RAI 422 Questions 03.09.02-131 and 03.09.02-140.

The following table indicates the respective pages in the enclosed response that contain AREVA NP's final response to the subject questions.

Question #	Start Page	End Page
RAI 422 — 03.09.02-88	2	4
RAI 422 — 03.09.02-131	5	5
RAI 422 — 03.09.02-134	6	6
RAI 422 — 03.09.02-140	7	9

The schedule for the technically correct and complete final response to the remaining 14 questions is unchanged and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-84	September 13, 2011
RAI 422 — 03.09.02-85	September 13, 2011
RAI 422 — 03.09.02-87	September 13, 2011
RAI 422 — 03.09.02-99	September 13, 2011
RAI 422 — 03.09.02-100	September 13, 2011
RAI 422 — 03.09.02-101	September 13, 2011
RAI 422 — 03.09.02-103	September 13, 2011
RAI 422 — 03.09.02-104	September 13, 2011
RAI 422 — 03.09.02-107	September 13, 2011
RAI 422 — 03.09.02-108	September 13, 2011
RAI 422 — 03.09.02-110	September 13, 2011
RAI 422 — 03.09.02-112	September 13, 2011
RAI 422 — 03.09.02-114	September 13, 2011
RAI 422 — 03.09.02-119	September 13, 2011

Sincerely,

Russ Wells 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

From: WILLIFORD Dennis (RS/NB)
Sent: Tuesday, July 12, 2011 4:08 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
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The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions was revised February 17, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 18 of the remaining 50 questions was revised with Supplement 12 on March 16, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided a technically correct and complete FINAL response to 1 of the remaining 50 questions with Supplement 13 on March 24, 2011, as committed.

AREVA NP provided technically correct and complete FINAL responses to 8 of the remaining 49 questions with Supplement 14 on March 30, 2011, as committed.

The schedule for a technically correct and complete response to 32 of the remaining 41 questions was revised with Supplement 15 on March 31, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 6 of the remaining 41 questions was revised with Supplement 16 on April 13, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 3 of the remaining 41 questions was revised with Supplement 17 on April 20, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 29 of the remaining 41 questions was revised with Supplement 18 on May 11, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 3 of the remaining 41 questions with Supplement 19 on May 20, 2011, as committed.

The schedule for a technically correct and complete response to 9 of the remaining 38 questions was revised with Supplement 20 on May 25, 2011.

AREVA NP provided technically correct and complete FINAL responses to 5 of the remaining 38 questions with Supplement 21 on June 1, 2011, as committed.

The schedule for a technically correct and complete response to 28 of the remaining 33 questions was revised with Supplement 22 on June 6, 2011.

AREVA NP provided a technically correct and complete revised FINAL response to Question 03.09.02-139 with Supplement 23 on June 24, 2011.

AREVA NP provided technically correct and complete FINAL responses to 16 of the remaining 33 questions with Supplement 24 on July 7, 2011, as committed.

The schedule for technically correct and complete final responses to the remaining 17 questions has been revised as provided below.

Question #	Response Date
RAI 422 — 03.09.02-84	**September 13, 2011**
RAI 422 — 03.09.02-85	**September 13, 2011**
RAI 422 — 03.09.02-87	**September 13, 2011**
RAI 422 — 03.09.02-99	**September 13, 2011**
RAI 422 — 03.09.02-100	**September 13, 2011**
RAI 422 — 03.09.02-101	**September 13, 2011**
RAI 422 — 03.09.02-103	**September 13, 2011**
RAI 422 — 03.09.02-104	**September 13, 2011**
RAI 422 — 03.09.02-107	**September 13, 2011**
RAI 422 — 03.09.02-108	**September 13, 2011**
RAI 422 — 03.09.02-110	**September 13, 2011**
RAI 422 — 03.09.02-112	**September 13, 2011**
RAI 422 — 03.09.02-114	**September 13, 2011**
RAI 422 — 03.09.02-119	**September 13, 2011**
RAI 422 — 03.09.02-131	**September 13, 2011**
RAI 422 — 03.09.02-134	**September 13, 2011**
RAI 422 — 03.09.02-140	**September 13, 2011**

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager

AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Thursday, July 07, 2011 5:10 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 24

Getachew,

AREVA NP Inc. letter NRC:11:073 dated July 7, 2011 provides a technically correct and complete final response to 16 of the 33 remaining questions for RAI 422. Additionally, a revised response is provided for Question 03.09.02-136 which was originally submitted to the NRC in Supplement 5 on December 22, 2010. 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.

Included in the response are affected pages of ANP-10306P, "Comprehensive Vibration Assessment Program for U.S. EPR Reactor Internals Technical Report," in redline-strikeout format which support the response to RAI 422 Questions 03.09.02-109, 03.09.02-118, 03.09.02-121, and 03.09.02-136.

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

Question #	Start Page	End Page
RAI 422 — 03.09.02-82	2	4
RAI 422 — 03.09.02-88	5	6
RAI 422 — 03.09.02-98	7	12
RAI 422 — 03.09.02-102	13	13
RAI 422 — 03.09.02-109	14	14
RAI 422 — 03.09.02-111	15	15
RAI 422 — 03.09.02-113	16	16
RAI 422 — 03.09.02-115	17	18
RAI 422 — 03.09.02-116	19	19
RAI 422 — 03.09.02-117	20	20
RAI 422 — 03.09.02-118	21	21
RAI 422 — 03.09.02-120	22	27
RAI 422 — 03.09.02-121	28	28
RAI 422 — 03.09.02-122	29	29
RAI 422 — 03.09.02-127	30	30
RAI 422 — 03.09.02-136	31	33
RAI 422 — 03.09.02-145	34	35

The schedule for the technically correct and complete response to the remaining 17 questions is unchanged and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-84	July 13, 2011
RAI 422 — 03.09.02-85	July 13, 2011
RAI 422 — 03.09.02-87	July 13, 2011
RAI 422 — 03.09.02-99	July 13, 2011
RAI 422 — 03.09.02-100	July 13, 2011
RAI 422 — 03.09.02-101	July 13, 2011
RAI 422 — 03.09.02-103	July 13, 2011
RAI 422 — 03.09.02-104	July 13, 2011
RAI 422 — 03.09.02-107	July 13, 2011
RAI 422 — 03.09.02-108	July 13, 2011
RAI 422 — 03.09.02-110	July 13, 2011
RAI 422 — 03.09.02-112	July 13, 2011
RAI 422 — 03.09.02-114	July 13, 2011
RAI 422 — 03.09.02-119	July 13, 2011
RAI 422 — 03.09.02-131	July 13, 2011
RAI 422 — 03.09.02-134	July 13, 2011
RAI 422 — 03.09.02-140	July 13, 2011

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Friday, June 24, 2011 4:46 PM
To: 'Tesfaye, Getachew'
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell (RS/NB); HAMMOND Philip (RS/PT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 23

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.

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The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions was revised February 17, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 18 of the remaining 50 questions was revised with Supplement 12 on March 16, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided a technically correct and complete FINAL response to 1 of the remaining 50 questions with Supplement 13 on March 24, 2011, as committed.

AREVA NP provided technically correct and complete FINAL responses to 8 of the remaining 49 questions with Supplement 14 on March 30, 2011, as committed.

The schedule for a technically correct and complete response to 32 of the remaining 41 questions was revised with Supplement 15 on March 31, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 6 of the remaining 41 questions was revised with Supplement 16 on April 13, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 3 of the remaining 41 questions was revised with Supplement 17 on April 20, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 29 of the remaining 41 questions was revised with Supplement 18 on May 11, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 3 of the remaining 41 questions with Supplement 19 on May 20, 2011, as committed.

The schedule for a technically correct and complete response to 9 of the remaining 38 questions was revised with Supplement 20 on May 25, 2011.

AREVA NP provided technically correct and complete FINAL responses to 5 of the remaining 38 questions with Supplement 21 on June 1, 2011, as committed.

The schedule for a technically correct and complete response to 28 of the remaining 33 questions was revised with Supplement 22 on June 6, 2011.

The attached file, "RAI 422 Supplement 23 Response US EPR DC.pdf", provides a technically correct and complete revised FINAL response to Question 03.09.02-139. A response to this question was originally sent to the NRC on December 22, 2010 in RAI 422 Supplement 5. Based on discussions with NRC staff, it was determined that the following changes were required to this response:

- Last sentence of Part B of the response changed ANP-10306P, Table 5-1 to ANP-10306P, Table 5-4
- Part C of the response changed ANP-10306P, Table 5-1 to ANP-10306P, Figure 5-1

The revised response contains change bars to reflect the above changes.

The following table indicates the respective pages in the response document, "RAI 422 Supplement 23 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 422 — 03.09.02-139	2	4

The schedule for technically correct and complete final responses to the remaining 33 questions is unchanged and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	July 13, 2011
RAI 422 — 03.09.02-84	July 13, 2011
RAI 422 — 03.09.02-85	July 13, 2011
RAI 422 — 03.09.02-87	July 13, 2011
RAI 422 — 03.09.02-88	July 13, 2011
RAI 422 — 03.09.02-98	July 13, 2011
RAI 422 — 03.09.02-99	July 13, 2011
RAI 422 — 03.09.02-100	July 13, 2011
RAI 422 — 03.09.02-101	July 13, 2011
RAI 422 — 03.09.02-102	July 13, 2011
RAI 422 — 03.09.02-103	July 13, 2011
RAI 422 — 03.09.02-104	July 13, 2011
RAI 422 — 03.09.02-107	July 13, 2011
RAI 422 — 03.09.02-108	July 13, 2011
RAI 422 — 03.09.02-109	July 13, 2011
RAI 422 — 03.09.02-110	July 13, 2011
RAI 422 — 03.09.02-111	July 13, 2011
RAI 422 — 03.09.02-112	July 13, 2011
RAI 422 — 03.09.02-113	July 13, 2011
RAI 422 — 03.09.02-114	July 13, 2011
RAI 422 — 03.09.02-115	July 13, 2011
RAI 422 — 03.09.02-116	July 13, 2011
RAI 422 — 03.09.02-117	July 13, 2011
RAI 422 — 03.09.02-118	July 13, 2011
RAI 422 — 03.09.02-119	July 13, 2011
RAI 422 — 03.09.02-120	July 13, 2011
RAI 422 — 03.09.02-121	July 13, 2011
RAI 422 — 03.09.02-122	July 13, 2011

Question #	Response Date
RAI 422 — 03.09.02-127	July 13, 2011
RAI 422 — 03.09.02-131	July 13, 2011
RAI 422 — 03.09.02-134	July 13, 2011
RAI 422 — 03.09.02-140	July 13, 2011
RAI 422 — 03.09.02-145	July 13, 2011

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Monday, June 06, 2011 5:58 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); HAMMOND Philip (RS/PT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 22

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions was revised February 17, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 18 of the remaining 50 questions was revised with Supplement 12 on March 16, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided a technically correct and complete FINAL response to 1 of the remaining 50 questions with Supplement 13 on March 24, 2011, as committed.

AREVA NP provided technically correct and complete FINAL responses to 8 of the remaining 49 questions with Supplement 14 on March 30, 2011, as committed.

The schedule for a technically correct and complete response to 32 of the remaining 41 questions was revised with Supplement 15 on March 31, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 6 of the remaining 41 questions was revised with Supplement 16 on April 13, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 3 of the remaining 41 questions was revised with Supplement 17 on April 20, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 29 of the remaining 41 questions was revised with Supplement 18 on May 11, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 3 of the remaining 41 questions with Supplement 19 on May 20, 2011, as committed.

The schedule for a technically correct and complete response to 9 of the remaining 38 questions was revised with Supplement 20 on May 25, 2011.

AREVA NP provided technically correct and complete FINAL responses to 5 of the remaining 38 questions with Supplement 21 on June 1, 2011, as committed.

The schedule for the response to the 28 questions highlighted below in bold is being revised. The schedule for technically correct and complete final responses to the remaining 33 questions is summarized below.

Question #	Response Date
RAI 422 — 03.09.02-82	**July 13, 2011**
RAI 422 — 03.09.02-84	**July 13, 2011**
RAI 422 — 03.09.02-85	**July 13, 2011**
RAI 422 — 03.09.02-87	July 13, 2011
RAI 422 — 03.09.02-88	July 13, 2011
RAI 422 — 03.09.02-98	**July 13, 2011**
RAI 422 — 03.09.02-99	**July 13, 2011**
RAI 422 — 03.09.02-100	**July 13, 2011**

Question #	Response Date
RAI 422 — 03.09.02-101	**July 13, 2011**
RAI 422 — 03.09.02-102	**July 13, 2011**
RAI 422 — 03.09.02-103	**July 13, 2011**
RAI 422 — 03.09.02-104	**July 13, 2011**
RAI 422 — 03.09.02-107	**July 13, 2011**
RAI 422 — 03.09.02-108	**July 13, 2011**
RAI 422 — 03.09.02-109	**July 13, 2011**
RAI 422 — 03.09.02-110	**July 13, 2011**
RAI 422 — 03.09.02-111	**July 13, 2011**
RAI 422 — 03.09.02-112	**July 13, 2011**
RAI 422 — 03.09.02-113	**July 13, 2011**
RAI 422 — 03.09.02-114	**July 13, 2011**
RAI 422 — 03.09.02-115	**July 13, 2011**
RAI 422 — 03.09.02-116	**July 13, 2011**
RAI 422 — 03.09.02-117	**July 13, 2011**
RAI 422 — 03.09.02-118	**July 13, 2011**
RAI 422 — 03.09.02-119	**July 13, 2011**
RAI 422 — 03.09.02-120	**July 13, 2011**
RAI 422 — 03.09.02-121	**July 13, 2011**
RAI 422 — 03.09.02-122	**July 13, 2011**
RAI 422 — 03.09.02-127	July 13, 2011
RAI 422 — 03.09.02-131	**July 13, 2011**
RAI 422 — 03.09.02-134	July 13, 2011
RAI 422 — 03.09.02-140	July 13, 2011
RAI 422 — 03.09.02-145	**July 13, 2011**

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Wednesday, June 01, 2011 6:09 PM
To: 'Tesfaye, Getachew'
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); HAMMOND Philip (RS/PT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 21

Getachew,

AREVA NP Inc. letter NRC 11:055 dated June 1, 2011 provides a technically correct and complete response to 5 of the 38 remaining questions for RAI 422. 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. A proprietary and non-proprietary version of the enclosure to this letter are provided separately.

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

Question #	Start Page	End Page
RAI 422 — 03.09.02-90	2	3
RAI 422 — 03.09.02-94	4	4
RAI 422 — 03.09.02-124	5	5
RAI 422 — 03.09.02-138	6	6
RAI 422 — 03.09.02-144	7	8

The schedule for a technically correct and complete final response to the remaining 33 questions is unchanged and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	June 15, 2011
RAI 422 — 03.09.02-84	June 15, 2011
RAI 422 — 03.09.02-85	June 15, 2011
RAI 422 — 03.09.02-87	July 13, 2011
RAI 422 — 03.09.02-88	July 13, 2011
RAI 422 — 03.09.02-98	June 15, 2011
RAI 422 — 03.09.02-99	June 15, 2011
RAI 422 — 03.09.02-100	June 15, 2011
RAI 422 — 03.09.02-101	June 15, 2011
RAI 422 — 03.09.02-102	June 15, 2011
RAI 422 — 03.09.02-103	June 15, 2011
RAI 422 — 03.09.02-104	June 15, 2011
RAI 422 — 03.09.02-107	June 15, 2011
RAI 422 — 03.09.02-108	June 15, 2011
RAI 422 — 03.09.02-109	June 15, 2011
RAI 422 — 03.09.02-110	June 15, 2011
RAI 422 — 03.09.02-111	June 15, 2011
RAI 422 — 03.09.02-112	June 15, 2011
RAI 422 — 03.09.02-113	June 15, 2011
RAI 422 — 03.09.02-114	June 15, 2011
RAI 422 — 03.09.02-115	June 15, 2011
RAI 422 — 03.09.02-116	June 15, 2011
RAI 422 — 03.09.02-117	June 15, 2011
RAI 422 — 03.09.02-118	June 15, 2011
RAI 422 — 03.09.02-119	June 15, 2011
RAI 422 — 03.09.02-120	June 15, 2011
RAI 422 — 03.09.02-121	June 15, 2011
RAI 422 — 03.09.02-122	June 15, 2011
RAI 422 — 03.09.02-127	July 13, 2011
RAI 422 — 03.09.02-131	June 15, 2011
RAI 422 — 03.09.02-134	July 13, 2011
RAI 422 — 03.09.02-140	July 13, 2011
RAI 422 — 03.09.02-145	June 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

From: WILLIFORD Dennis (RS/NB)
Sent: Wednesday, May 25, 2011 8:22 AM
To: 'Tesfaye, Getachew'
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); HAMMOND Philip (RS/PT); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 20

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions was revised February 17, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 18 of the remaining 50 questions was revised with Supplement 12 on March 16, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided a technically correct and complete FINAL response to 1 of the remaining 50 questions with Supplement 13 on March 24, 2011, as committed.

AREVA NP provided technically correct and complete FINAL responses to 8 of the remaining 49 questions with Supplement 14 on March 30, 2011, as committed.

The schedule for a technically correct and complete response to 32 of the remaining 41 questions was revised with Supplement 15 on March 31, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 6 of the remaining 41 questions was revised with Supplement 16 on April 13, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 3 of the remaining 41 questions was revised with Supplement 17 on April 20, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 29 of the remaining 41 questions was revised with Supplement 18 on May 11, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 3 of the remaining 41 questions with Supplement 19 on May 20, 2011, as committed.

The schedule for the response to the 9 questions shown below in bold is being revised. The schedule for technically correct and complete final responses to the other 29 questions is unchanged. The revised schedule for the remaining 38 questions is summarized below.

Question #	Response Date
RAI 422 — 03.09.02-82	June 15, 2011
RAI 422 — 03.09.02-84	June 15, 2011
RAI 422 — 03.09.02-85	June 15, 2011
RAI 422 — 03.09.02-87	**July 13, 2011**
RAI 422 — 03.09.02-88	**July 13, 2011**
RAI 422 — 03.09.02-90	**July 13, 2011**
RAI 422 — 03.09.02-94	**July 13, 2011**
RAI 422 — 03.09.02-98	June 15, 2011
RAI 422 — 03.09.02-99	June 15, 2011
RAI 422 — 03.09.02-100	June 15, 2011
RAI 422 — 03.09.02-101	June 15, 2011
RAI 422 — 03.09.02-102	June 15, 2011
RAI 422 — 03.09.02-103	June 15, 2011
RAI 422 — 03.09.02-104	June 15, 2011
RAI 422 — 03.09.02-107	June 15, 2011
RAI 422 — 03.09.02-108	June 15, 2011
RAI 422 — 03.09.02-109	June 15, 2011
RAI 422 — 03.09.02-110	June 15, 2011
RAI 422 — 03.09.02-111	June 15, 2011
RAI 422 — 03.09.02-112	June 15, 2011
RAI 422 — 03.09.02-113	June 15, 2011

Question #	Response Date
RAI 422 — 03.09.02-114	June 15, 2011
RAI 422 — 03.09.02-115	June 15, 2011
RAI 422 — 03.09.02-116	June 15, 2011
RAI 422 — 03.09.02-117	June 15, 2011
RAI 422 — 03.09.02-118	June 15, 2011
RAI 422 — 03.09.02-119	June 15, 2011
RAI 422 — 03.09.02-120	June 15, 2011
RAI 422 — 03.09.02-121	June 15, 2011
RAI 422 — 03.09.02-122	June 15, 2011
RAI 422 — 03.09.02-124	**July 13, 2011**
RAI 422 — 03.09.02-127	**July 13, 2011**
RAI 422 — 03.09.02-131	June 15, 2011
RAI 422 — 03.09.02-134	**July 13, 2011**
RAI 422 — 03.09.02-138	**July 13, 2011**
RAI 422 — 03.09.02-140	**July 13, 2011**
RAI 422 — 03.09.02-144	June 15, 2011
RAI 422 — 03.09.02-145	June 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

From: WILLIFORD Dennis (RS/NB)
Sent: Friday, May 20, 2011 4:56 PM
To: 'Tesfaye, Getachew'
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); HAMMOND Philip (RS/PT); CORNELL Veronica (External RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 19

Getachew,

AREVA NP Inc. letter NRC 11:044 dated May 19, 2011 provides a technically correct and complete FINAL response to 3 of the 41 remaining questions (Questions 03.09.02-105, 03.09.02-106, and 03.09.02-123) for RAI 422. 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 final response to the subject questions.

Question #	Start Page	End Page
RAI 422 — 03.09.02-105	2	2
RAI 422 — 03.09.02-106	3	3
RAI 422 — 03.09.02-123	4	4

The schedule for technically correct and complete final responses to the remaining 38 questions is unchanged and is provided below:

Question #	Response Date
RAI 422 — 03.09.02-82	June 15, 2011
RAI 422 — 03.09.02-84	June 15, 2011
RAI 422 — 03.09.02-85	June 15, 2011
RAI 422 — 03.09.02-87	June 1, 2011
RAI 422 — 03.09.02-88	June 1, 2011
RAI 422 — 03.09.02-90	June 1, 2011
RAI 422 — 03.09.02-94	June 1, 2011
RAI 422 — 03.09.02-98	June 15, 2011
RAI 422 — 03.09.02-99	June 15, 2011
RAI 422 — 03.09.02-100	June 15, 2011
RAI 422 — 03.09.02-101	June 15, 2011
RAI 422 — 03.09.02-102	June 15, 2011
RAI 422 — 03.09.02-103	June 15, 2011
RAI 422 — 03.09.02-104	June 15, 2011
RAI 422 — 03.09.02-107	June 15, 2011
RAI 422 — 03.09.02-108	June 15, 2011
RAI 422 — 03.09.02-109	June 15, 2011
RAI 422 — 03.09.02-110	June 15, 2011
RAI 422 — 03.09.02-111	June 15, 2011
RAI 422 — 03.09.02-112	June 15, 2011
RAI 422 — 03.09.02-113	June 15, 2011
RAI 422 — 03.09.02-114	June 15, 2011
RAI 422 — 03.09.02-115	June 15, 2011
RAI 422 — 03.09.02-116	June 15, 2011
RAI 422 — 03.09.02-117	June 15, 2011
RAI 422 — 03.09.02-118	June 15, 2011
RAI 422 — 03.09.02-119	June 15, 2011
RAI 422 — 03.09.02-120	June 15, 2011
RAI 422 — 03.09.02-121	June 15, 2011
RAI 422 — 03.09.02-122	June 15, 2011
RAI 422 — 03.09.02-124	June 1, 2011
RAI 422 — 03.09.02-127	June 1, 2011
RAI 422 — 03.09.02-131	June 15, 2011
RAI 422 — 03.09.02-134	June 1, 2011
RAI 422 — 03.09.02-138	June 1, 2011
RAI 422 — 03.09.02-140	June 1, 2011
RAI 422 — 03.09.02-144	June 15, 2011
RAI 422 — 03.09.02-145	June 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

From: WELLS Russell (RS/NB)
Sent: Wednesday, May 11, 2011 10:11 AM
To: 'Tesfaye, Getachew'
Cc: HAMMOND Philip (RS/PT); Miernicki, Michael; 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. 422, FSARCh. 3, Supplement 18

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions was revised February 17, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 18 of the remaining 50 questions was revised with Supplement 12 on March 16, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided a technically correct and complete FINAL response to 1 of the remaining 50 questions with Supplement 13 on March 24, 2011, as committed.

AREVA NP provided technically correct and complete FINAL responses to 8 of the remaining 49 questions with Supplement 14 on March 30, 2011, as committed.

The schedule for a technically correct and complete response to 32 of the remaining 41 questions was revised with Supplement 15 on March 31, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 6 of the remaining 41 questions was revised with Supplement 16 on April 13, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 3 of the remaining 41 questions was revised with Supplement 17 on April 20, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response for 29 of the remaining 41 questions as shown in bold, is revised to allow additional time for AREVA NP to interact with the NRC. The schedule for the remaining questions is unchanged.

Question #	Response Date
RAI 422 — 03.09.02-82	June 15, 2011
RAI 422 — 03.09.02-84	**June 15, 2011**
RAI 422 — 03.09.02-85	**June 15, 2011**
RAI 422 — 03.09.02-87	June 1, 2011
RAI 422 — 03.09.02-88	June 1, 2011
RAI 422 — 03.09.02-90	June 1, 2011
RAI 422 — 03.09.02-94	June 1, 2011
RAI 422 — 03.09.02-98	June 15, 2011
RAI 422 — 03.09.02-99	**June 15, 2011**
RAI 422 — 03.09.02-100	**June 15, 2011**
RAI 422 — 03.09.02-101	**June 15, 2011**
RAI 422 — 03.09.02-102	**June 15, 2011**
RAI 422 — 03.09.02-103	**June 15, 2011**
RAI 422 — 03.09.02-104	**June 15, 2011**
RAI 422 — 03.09.02-105	**June 15, 2011**
RAI 422 — 03.09.02-106	**June 15, 2011**
RAI 422 — 03.09.02-107	**June 15, 2011**
RAI 422 — 03.09.02-108	**June 15, 2011**
RAI 422 — 03.09.02-109	**June 15, 2011**
RAI 422 — 03.09.02-110	**June 15, 2011**
RAI 422 — 03.09.02-111	**June 15, 2011**
RAI 422 — 03.09.02-112	**June 15, 2011**
RAI 422 — 03.09.02-113	**June 15, 2011**
RAI 422 — 03.09.02-114	**June 15, 2011**
RAI 422 — 03.09.02-115	**June 15, 2011**
RAI 422 — 03.09.02-116	**June 15, 2011**
RAI 422 — 03.09.02-117	**June 15, 2011**

Question #	Response Date
RAI 422 — 03.09.02-118	**June 15, 2011**
RAI 422 — 03.09.02-119	**June 15, 2011**
RAI 422 — 03.09.02-120	**June 15, 2011**
RAI 422 — 03.09.02-121	**June 15, 2011**
RAI 422 — 03.09.02-122	**June 15, 2011**
RAI 422 — 03.09.02-123	**June 15, 2011**
RAI 422 — 03.09.02-124	June 1, 2011
RAI 422 — 03.09.02-127	June 1, 2011
RAI 422 — 03.09.02-131	**June 15, 2011**
RAI 422 — 03.09.02-134	June 1, 2011
RAI 422 — 03.09.02-138	June 1, 2011
RAI 422 — 03.09.02-140	June 1, 2011
RAI 422 — 03.09.02-144	**June 15, 2011**
RAI 422 — 03.09.02-145	June 15, 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

From: WELLS Russell (RS/NB)
Sent: Wednesday, April 20, 2011 6:32 AM
To: 'Tesfaye, Getachew'
Cc: HAMMOND Philip (RS/PT); 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. 422, FSARCh. 3, Supplement 17

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.

.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions was revised February 17, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 18 of the remaining 50 questions was revised with Supplement 12 on March 16, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided a technically correct and complete FINAL response to 1 of the remaining 50 questions with Supplement 13 on March 24, 2011, as committed.

AREVA NP provided technically correct and complete FINAL responses to 8 of the remaining 49 questions with Supplement 14 on March 30, 2011, as committed.

The schedule for a technically correct and complete response to 32 of the remaining 41 questions was revised with Supplement 15 on March 31, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 6 of the remaining 41 questions was revised with Supplement 16 on April 13, 2011 to allow additional time for AREVA NP to interact with the NRC and is provided below.

The schedule for a technically correct and complete response to 3 of the remaining 41 questions, as shown in bold, is revised to allow additional time for AREVA NP to interact with the NRC and is provided below. The schedule for the remaining questions is unchanged.

Question #	Response Date
RAI 422 — 03.09.02-82	**June 15, 2011**
RAI 422 — 03.09.02-84	May 12, 2011
RAI 422 — 03.09.02-85	May 12, 2011
RAI 422 — 03.09.02-87	June 1, 2011
RAI 422 — 03.09.02-88	June 1, 2011
RAI 422 — 03.09.02-90	June 1, 2011
RAI 422 — 03.09.02-94	June 1, 2011
RAI 422 — 03.09.02-98	**June 15, 2011**
RAI 422 — 03.09.02-99	May 12, 2011

Question #	Response Date
RAI 422 — 03.09.02-100	May 12, 2011
RAI 422 — 03.09.02-101	May 12, 2011
RAI 422 — 03.09.02-102	May 12, 2011
RAI 422 — 03.09.02-103	May 12, 2011
RAI 422 — 03.09.02-104	May 12, 2011
RAI 422 — 03.09.02-105	May 12, 2011
RAI 422 — 03.09.02-106	May 12, 2011
RAI 422 — 03.09.02-107	May 12, 2011
RAI 422 — 03.09.02-108	May 12, 2011
RAI 422 — 03.09.02-109	May 12, 2011
RAI 422 — 03.09.02-110	May 12, 2011
RAI 422 — 03.09.02-111	May 12, 2011
RAI 422 — 03.09.02-112	May 12, 2011
RAI 422 — 03.09.02-113	May 12, 2011
RAI 422 — 03.09.02-114	May 12, 2011
RAI 422 — 03.09.02-115	May 12, 2011
RAI 422 — 03.09.02-116	May 12, 2011
RAI 422 — 03.09.02-117	May 12, 2011
RAI 422 — 03.09.02-118	May 12, 2011
RAI 422 — 03.09.02-119	May 12, 2011
RAI 422 — 03.09.02-120	May 12, 2011
RAI 422 — 03.09.02-121	May 12, 2011
RAI 422 — 03.09.02-122	May 12, 2011
RAI 422 — 03.09.02-123	May 12, 2011
RAI 422 — 03.09.02-124	June 1, 2011
RAI 422 — 03.09.02-127	June 1, 2011
RAI 422 — 03.09.02-131	May 12, 2011
RAI 422 — 03.09.02-134	June 1, 2011
RAI 422 — 03.09.02-138	June 1, 2011
RAI 422 — 03.09.02-140	June 1, 2011
RAI 422 — 03.09.02-144	May 12, 2011
RAI 422 — 03.09.02-145	**June 15, 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

From: WELLS Russell (RS/NB)
Sent: Wednesday, April 13, 2011 6:09 PM
To: 'Tesfaye, Getachew'

Cc: HAMMOND Philip (RS/PT); 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. 422, FSARCh. 3, Supplement 16

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions was revised February 17, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 18 of the remaining 50 questions was revised with Supplement 12 on March 16, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided a technically correct and complete FINAL response to 1 of the remaining 50 questions with Supplement 13 on March 24, 2011, as committed.

AREVA NP provided technically correct and complete FINAL responses to 8 of the remaining 49 questions with Supplement 14 on March 30, 2011, as committed.

The schedule for a technically correct and complete response to 32 of the remaining 41 questions was revised with Supplement 15 on March 31, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 6 of the remaining 41 questions, as shown in bold, is revised to allow additional time for AREVA NP to interact with the NRC and is provided below. The schedule for the remaining questions is unchanged.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-84	May 12, 2011
RAI 422 — 03.09.02-85	May 12, 2011
RAI 422 — 03.09.02-87	**June 1, 2011**
RAI 422 — 03.09.02-88	**June 1, 2011**
RAI 422 — 03.09.02-90	June 1, 2011
RAI 422 — 03.09.02-94	June 1, 2011
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-99	May 12, 2011
RAI 422 — 03.09.02-100	May 12, 2011
RAI 422 — 03.09.02-101	May 12, 2011
RAI 422 — 03.09.02-102	May 12, 2011
RAI 422 — 03.09.02-103	May 12, 2011
RAI 422 — 03.09.02-104	May 12, 2011
RAI 422 — 03.09.02-105	May 12, 2011
RAI 422 — 03.09.02-106	May 12, 2011
RAI 422 — 03.09.02-107	May 12, 2011
RAI 422 — 03.09.02-108	May 12, 2011
RAI 422 — 03.09.02-109	May 12, 2011
RAI 422 — 03.09.02-110	May 12, 2011
RAI 422 — 03.09.02-111	May 12, 2011
RAI 422 — 03.09.02-112	May 12, 2011
RAI 422 — 03.09.02-113	May 12, 2011
RAI 422 — 03.09.02-114	May 12, 2011
RAI 422 — 03.09.02-115	May 12, 2011
RAI 422 — 03.09.02-116	May 12, 2011
RAI 422 — 03.09.02-117	May 12, 2011
RAI 422 — 03.09.02-118	May 12, 2011
RAI 422 — 03.09.02-119	May 12, 2011
RAI 422 — 03.09.02-120	May 12, 2011
RAI 422 — 03.09.02-121	May 12, 2011
RAI 422 — 03.09.02-122	May 12, 2011
RAI 422 — 03.09.02-123	May 12, 2011
RAI 422 — 03.09.02-124	**June 1, 2011**
RAI 422 — 03.09.02-127	**June 1, 2011**
RAI 422 — 03.09.02-131	May 12, 2011
RAI 422 — 03.09.02-134	**June 1, 2011**
RAI 422 — 03.09.02-138	June 1, 2011
RAI 422 — 03.09.02-140	**June 1, 2011**
RAI 422 — 03.09.02-144	May 12, 2011
RAI 422 — 03.09.02-145	May 5, 2011

Sincerely,

Russ Wells
U.S. EPR Design Certification Licensing Manager
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Phone: 434-832-3884 (work)
434-942-6375 (cell)
Fax: 434-382-3884
Russell.Wells@Areva.com

From: WELLS Russell (RS/NB)
Sent: Thursday, March 31, 2011 9:37 AM
To: 'Tesfaye, Getachew'
Cc: HAMMOND Philip (RS/PT); 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. 422, FSARCh. 3, Supplement 15

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions was revised February 17, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 18 of the remaining 50 questions was revised with Supplement 12 on March 16, 2011 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided a technically correct and complete FINAL response to 1 of the remaining 50 questions with Supplement 13 on March 24, 2011, as committed.

AREVA NP provided technically correct and complete FINAL responses to 8 of the remaining 49 questions with Supplement 14 on March 30, 2011, as committed.

The schedule for a technically correct and complete response to 32 of the remaining 41 questions, as shown in bold, is revised to allow additional time for AREVA NP to interact with the NRC and is provided below. The schedule for the remaining questions is unchanged.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-84	**May 12, 2011**
RAI 422 — 03.09.02-85	**May 12, 2011**
RAI 422 — 03.09.02-87	April 28, 2011
RAI 422 — 03.09.02-88	April 28, 2011
RAI 422 — 03.09.02-90	**June 1, 2011**
RAI 422 — 03.09.02-94	**June 1, 2011**
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-99	**May 12, 2011**
RAI 422 — 03.09.02-100	**May 12, 2011**
RAI 422 — 03.09.02-101	**May 12, 2011**
RAI 422 — 03.09.02-102	**May 12, 2011**
RAI 422 — 03.09.02-103	**May 12, 2011**
RAI 422 — 03.09.02-104	**May 12, 2011**
RAI 422 — 03.09.02-105	**May 12, 2011**
RAI 422 — 03.09.02-106	**May 12, 2011**
RAI 422 — 03.09.02-107	**May 12, 2011**
RAI 422 — 03.09.02-108	**May 12, 2011**
RAI 422 — 03.09.02-109	**May 12, 2011**
RAI 422 — 03.09.02-110	**May 12, 2011**
RAI 422 — 03.09.02-111	**May 12, 2011**
RAI 422 — 03.09.02-112	**May 12, 2011**
RAI 422 — 03.09.02-113	**May 12, 2011**
RAI 422 — 03.09.02-114	**May 12, 2011**
RAI 422 — 03.09.02-115	**May 12, 2011**
RAI 422 — 03.09.02-116	**May 12, 2011**
RAI 422 — 03.09.02-117	**May 12, 2011**
RAI 422 — 03.09.02-118	**May 12, 2011**
RAI 422 — 03.09.02-119	**May 12, 2011**
RAI 422 — 03.09.02-120	**May 12, 2011**
RAI 422 — 03.09.02-121	**May 12, 2011**
RAI 422 — 03.09.02-122	**May 12, 2011**

Question #	Response Date
RAI 422 — 03.09.02-123	**May 12, 2011**
RAI 422 — 03.09.02-124	April 28, 2011
RAI 422 — 03.09.02-127	April 28, 2011
RAI 422 — 03.09.02-131	**May 12, 2011**
RAI 422 — 03.09.02-134	April 28, 2011
RAI 422 — 03.09.02-138	**June 1, 2011**
RAI 422 — 03.09.02-140	April 28, 2011
RAI 422 — 03.09.02-144	**May 12, 2011**
RAI 422 — 03.09.02-145	May 5, 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

From: WELLS Russell (RS/NB)
Sent: Wednesday, March 30, 2011 2:41 PM
To: Tesfaye, Getachew
Cc: HAMMOND Philip (RS/PT); 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. 422, FSARCh. 3, Supplement 14

Getachew,

AREVA NP Inc. letter NRC 11:033 dated March 29, 2011 provides a technically correct and complete response to 8 of the 49 remaining questions for RAI 422. 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 422 — 03.09.02-89	2	2
RAI 422 — 03.09.02-91	3	3
RAI 422 — 03.09.02-92	4	5
RAI 422 — 03.09.02-93	6	7
RAI 422 — 03.09.02-95	8	9
RAI 422 — 03.09.02-96	10	11
RAI 422 — 03.09.02-97	12	12

RAI 422 — 03.09.02-142	13	13

The schedule for the technically correct and complete response to the remaining 41 questions is unchanged and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-84	April 7, 2011
RAI 422 — 03.09.02-85	April 7, 2011
RAI 422 — 03.09.02-87	April 28, 2011
RAI 422 — 03.09.02-88	April 28, 2011
RAI 422 — 03.09.02-90	April 28, 2011
RAI 422 — 03.09.02-94	April 28, 2011
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-99	April 6, 2011
RAI 422 — 03.09.02-100	April 6, 2011
RAI 422 — 03.09.02-101	April 6, 2011
RAI 422 — 03.09.02-102	April 6, 2011
RAI 422 — 03.09.02-103	April 6, 2011
RAI 422 — 03.09.02-104	April 6, 2011
RAI 422 — 03.09.02-105	April 6, 2011
RAI 422 — 03.09.02-106	April 6, 2011
RAI 422 — 03.09.02-107	April 6, 2011
RAI 422 — 03.09.02-108	April 6, 2011
RAI 422 — 03.09.02-109	April 7, 2011
RAI 422 — 03.09.02-110	April 6, 2011
RAI 422 — 03.09.02-111	April 6, 2011
RAI 422 — 03.09.02-112	April 6, 2011
RAI 422 — 03.09.02-113	April 7, 2011
RAI 422 — 03.09.02-114	April 7, 2011
RAI 422 — 03.09.02-115	April 7, 2011
RAI 422 — 03.09.02-116	April 7, 2011
RAI 422 — 03.09.02-117	April 7, 2011
RAI 422 — 03.09.02-118	April 7, 2011
RAI 422 — 03.09.02-119	April 7, 2011
RAI 422 — 03.09.02-120	April 7, 2011
RAI 422 — 03.09.02-121	April 7, 2011
RAI 422 — 03.09.02-122	April 7, 2011
RAI 422 — 03.09.02-123	April 7, 2011
RAI 422 — 03.09.02-124	April 28, 2011
RAI 422 — 03.09.02-127	April 28, 2011
RAI 422 — 03.09.02-131	April 7, 2011
RAI 422 — 03.09.02-134	April 28, 2011
RAI 422 — 03.09.02-138	April 28, 2011
RAI 422 — 03.09.02-140	April 28, 2011
RAI 422 — 03.09.02-144	April 7, 2011
RAI 422 — 03.09.02-145	May 5, 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

From: WELLS Russell (RS/NB)
Sent: Thursday, March 24, 2011 6:01 PM
To: Tesfaye, Getachew
Cc: HAMMOND Philip (RS/PT); 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. 422, FSARCh. 3, Supplement 13

Getachew,

AREVA NP Inc. letter NRC 11:027 dated March 24, 2011 provides a technically correct and complete response to 1 of the 50 remaining questions (i.e., 03.09.02-126) for RAI 422. 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 422 — 03.09.02-126	2	5

The schedule for the technically correct and complete response to the remaining 49 questions is unchanged and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-84	April 7, 2011
RAI 422 — 03.09.02-85	April 7, 2011
RAI 422 — 03.09.02-87	April 28, 2011
RAI 422 — 03.09.02-88	April 28, 2011
RAI 422 — 03.09.02-89	April 28, 2011
RAI 422 — 03.09.02-90	April 28, 2011
RAI 422 — 03.09.02-91	April 28, 2011
RAI 422 — 03.09.02-92	April 28, 2011
RAI 422 — 03.09.02-93	April 28, 2011
RAI 422 — 03.09.02-94	April 28, 2011
RAI 422 — 03.09.02-95	April 28, 2011
RAI 422 — 03.09.02-96	April 28, 2011

Question #	Response Date
RAI 422 — 03.09.02-97	April 28, 2011
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-99	April 6, 2011
RAI 422 — 03.09.02-100	April 6, 2011
RAI 422 — 03.09.02-101	April 6, 2011
RAI 422 — 03.09.02-102	April 6, 2011
RAI 422 — 03.09.02-103	April 6, 2011
RAI 422 — 03.09.02-104	April 6, 2011
RAI 422 — 03.09.02-105	April 6, 2011
RAI 422 — 03.09.02-106	April 6, 2011
RAI 422 — 03.09.02-107	April 6, 2011
RAI 422 — 03.09.02-108	April 6, 2011
RAI 422 — 03.09.02-109	April 7, 2011
RAI 422 — 03.09.02-110	April 6, 2011
RAI 422 — 03.09.02-111	April 6, 2011
RAI 422 — 03.09.02-112	April 6, 2011
RAI 422 — 03.09.02-113	April 7, 2011
RAI 422 — 03.09.02-114	April 7, 2011
RAI 422 — 03.09.02-115	April 7, 2011
RAI 422 — 03.09.02-116	April 7, 2011
RAI 422 — 03.09.02-117	April 7, 2011
RAI 422 — 03.09.02-118	April 7, 2011
RAI 422 — 03.09.02-119	April 7, 2011
RAI 422 — 03.09.02-120	April 7, 2011
RAI 422 — 03.09.02-121	April 7, 2011
RAI 422 — 03.09.02-122	April 7, 2011
RAI 422 — 03.09.02-123	April 7, 2011
RAI 422 — 03.09.02-124	April 28, 2011
RAI 422 — 03.09.02-127	April 28, 2011
RAI 422 — 03.09.02-131	April 7, 2011
RAI 422 — 03.09.02-134	April 28, 2011
RAI 422 — 03.09.02-138	April 28, 2011
RAI 422 — 03.09.02-140	April 28, 2011
RAI 422 — 03.09.02-142	April 28, 2011
RAI 422 — 03.09.02-144	April 7, 2011
RAI 422 — 03.09.02-145	May 5, 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

From: WELLS Russell (RS/NB)
Sent: Wednesday, March 16, 2011 3:08 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. 422, FSARCh. 3, Supplement 12

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions was revised February 17 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 18 of the remaining 50 questions is revised to allow additional time for AREVA NP to interact with the NRC and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-87	April 28, 2011

Question #	Response Date
RAI 422 — 03.09.02-88	April 28, 2011
RAI 422 — 03.09.02-89	April 28, 2011
RAI 422 — 03.09.02-90	April 28, 2011
RAI 422 — 03.09.02-91	April 28, 2011
RAI 422 — 03.09.02-92	April 28, 2011
RAI 422 — 03.09.02-93	April 28, 2011
RAI 422 — 03.09.02-94	April 28, 2011
RAI 422 — 03.09.02-95	April 28, 2011
RAI 422 — 03.09.02-96	April 28, 2011
RAI 422 — 03.09.02-97	April 28, 2011
RAI 422 — 03.09.02-124	April 28, 2011
RAI 422 — 03.09.02-126	April 28, 2011
RAI 422 — 03.09.02-127	April 28, 2011
RAI 422 — 03.09.02-134	April 28, 2011
RAI 422 — 03.09.02-138	April 28, 2011
RAI 422 — 03.09.02-140	April 28, 2011
RAI 422 — 03.09.02-142	April 28, 2011

The schedule for a technically correct and complete response to the remaining 50 questions is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-84	April 7, 2011
RAI 422 — 03.09.02-85	April 7, 2011
RAI 422 — 03.09.02-87	April 28, 2011
RAI 422 — 03.09.02-88	April 28, 2011
RAI 422 — 03.09.02-89	April 28, 2011
RAI 422 — 03.09.02-90	April 28, 2011
RAI 422 — 03.09.02-91	April 28, 2011
RAI 422 — 03.09.02-92	April 28, 2011
RAI 422 — 03.09.02-93	April 28, 2011
RAI 422 — 03.09.02-94	April 28, 2011
RAI 422 — 03.09.02-95	April 28, 2011
RAI 422 — 03.09.02-96	April 28, 2011
RAI 422 — 03.09.02-97	April 28, 2011
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-99	April 6, 2011
RAI 422 — 03.09.02-100	April 6, 2011
RAI 422 — 03.09.02-101	April 6, 2011
RAI 422 — 03.09.02-102	April 6, 2011
RAI 422 — 03.09.02-103	April 6, 2011
RAI 422 — 03.09.02-104	April 6, 2011
RAI 422 — 03.09.02-105	April 6, 2011
RAI 422 — 03.09.02-106	April 6, 2011
RAI 422 — 03.09.02-107	April 6, 2011
RAI 422 — 03.09.02-108	April 6, 2011
RAI 422 — 03.09.02-109	April 7, 2011

Question #	Response Date
RAI 422 — 03.09.02-110	April 6, 2011
RAI 422 — 03.09.02-111	April 6, 2011
RAI 422 — 03.09.02-112	April 6, 2011
RAI 422 — 03.09.02-113	April 7, 2011
RAI 422 — 03.09.02-114	April 7, 2011
RAI 422 — 03.09.02-115	April 7, 2011
RAI 422 — 03.09.02-116	April 7, 2011
RAI 422 — 03.09.02-117	April 7, 2011
RAI 422 — 03.09.02-118	April 7, 2011
RAI 422 — 03.09.02-119	April 7, 2011
RAI 422 — 03.09.02-120	April 7, 2011
RAI 422 — 03.09.02-121	April 7, 2011
RAI 422 — 03.09.02-122	April 7, 2011
RAI 422 — 03.09.02-123	April 7, 2011
RAI 422 — 03.09.02-124	April 28, 2011
RAI 422 — 03.09.02-126	April 28, 2011
RAI 422 — 03.09.02-127	April 28, 2011
RAI 422 — 03.09.02-131	April 7, 2011
RAI 422 — 03.09.02-134	April 28, 2011
RAI 422 — 03.09.02-138	April 28, 2011
RAI 422 — 03.09.02-140	April 28, 2011
RAI 422 — 03.09.02-142	April 28, 2011
RAI 422 — 03.09.02-144	April 7, 2011
RAI 422 — 03.09.02-145	May 5, 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

From: BRYAN Martin (External RS/NB)
Sent: Thursday, February 17, 2011 10:23 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. 422, FSARCh. 3, Supplement 11

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 10, 2011 based on additional evaluations performed since the initial schedule was provided and is provided below.

The schedule for a technically correct and complete response to 16 of the remaining 50 questions is revised based on additional evaluations performed since the initial schedule was provided and is provided below.

Question #	**Response Date**
RAI 422 — 03.09.02-84	April 7, 2011
RAI 422 — 03.09.02-85	April 7, 2011
RAI 422 — 03.09.02-109	April 7, 2011
RAI 422 — 03.09.02-113	April 7, 2011
RAI 422 — 03.09.02-114	April 7, 2011
RAI 422 — 03.09.02-115	April 7, 2011
RAI 422 — 03.09.02-116	April 7, 2011
RAI 422 — 03.09.02-117	April 7, 2011
RAI 422 — 03.09.02-118	April 7, 2011
RAI 422 — 03.09.02-119	April 7, 2011
RAI 422 — 03.09.02-120	April 7, 2011
RAI 422 — 03.09.02-121	April 7, 2011
RAI 422 — 03.09.02-122	April 7, 2011
RAI 422 — 03.09.02-123	April 7, 2011
RAI 422 — 03.09.02-131	April 7, 2011
RAI 422 — 03.09.02-144	April 7, 2011

The schedule for a technically correct and complete response to the remaining 50 questions (including the information above) is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-84	April 7, 2011
RAI 422 — 03.09.02-85	April 7, 2011
RAI 422 — 03.09.02-87	March 24, 2011
RAI 422 — 03.09.02-88	March 24, 2011
RAI 422 — 03.09.02-89	March 24, 2011
RAI 422 — 03.09.02-90	March 24, 2011
RAI 422 — 03.09.02-91	March 24, 2011
RAI 422 — 03.09.02-92	March 24, 2011
RAI 422 — 03.09.02-93	March 24, 2011
RAI 422 — 03.09.02-94	March 24, 2011
RAI 422 — 03.09.02-95	March 24, 2011
RAI 422 — 03.09.02-96	March 24, 2011
RAI 422 — 03.09.02-97	March 24, 2011
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-99	April 6, 2011
RAI 422 — 03.09.02-100	April 6, 2011
RAI 422 — 03.09.02-101	April 6, 2011
RAI 422 — 03.09.02-102	April 6, 2011
RAI 422 — 03.09.02-103	April 6, 2011
RAI 422 — 03.09.02-104	April 6, 2011
RAI 422 — 03.09.02-105	April 6, 2011
RAI 422 — 03.09.02-106	April 6, 2011
RAI 422 — 03.09.02-107	April 6, 2011
RAI 422 — 03.09.02-108	April 6, 2011
RAI 422 — 03.09.02-109	April 7, 2011
RAI 422 — 03.09.02-110	April 6, 2011
RAI 422 — 03.09.02-111	April 6, 2011
RAI 422 — 03.09.02-112	April 6, 2011
RAI 422 — 03.09.02-113	April 7, 2011
RAI 422 — 03.09.02-114	April 7, 2011
RAI 422 — 03.09.02-115	April 7, 2011
RAI 422 — 03.09.02-116	April 7, 2011
RAI 422 — 03.09.02-117	April 7, 2011
RAI 422 — 03.09.02-118	April 7, 2011
RAI 422 — 03.09.02-119	April 7, 2011
RAI 422 — 03.09.02-120	April 7, 2011
RAI 422 — 03.09.02-121	April 7, 2011
RAI 422 — 03.09.02-122	April 7, 2011
RAI 422 — 03.09.02-123	April 7, 2011
RAI 422 — 03.09.02-124	March 23, 2011
RAI 422 — 03.09.02-126	March 23, 2011
RAI 422 — 03.09.02-127	March 23, 2011
RAI 422 — 03.09.02-131	April 7, 2011

Question #	Response Date
RAI 422 — 03.09.02-134	March 23, 2011
RAI 422 — 03.09.02-138	March 24, 2011
RAI 422 — 03.09.02-140	March 23, 2011
RAI 422 — 03.09.02-142	March 24, 2011
RAI 422 — 03.09.02-144	April 7, 2011
RAI 422 — 03.09.02-145	May 5, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Thursday, February 10, 2011 9:06 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. 422, FSARCh. 3, Supplement 10

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised February 8, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions is revised based on additional evaluations performed since the initial schedule was provided and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-99	April 6, 2011
RAI 422 — 03.09.02-100	April 6, 2011
RAI 422 — 03.09.02-101	April 6, 2011
RAI 422 — 03.09.02-102	April 6, 2011
RAI 422 — 03.09.02-103	April 6, 2011
RAI 422 — 03.09.02-104	April 6, 2011
RAI 422 — 03.09.02-105	April 6, 2011
RAI 422 — 03.09.02-106	April 6, 2011
RAI 422 — 03.09.02-107	April 6, 2011
RAI 422 — 03.09.02-108	April 6, 2011
RAI 422 — 03.09.02-110	April 6, 2011
RAI 422 — 03.09.02-111	April 6, 2011
RAI 422 — 03.09.02-112	April 6, 2011

The schedule for a technically correct and complete response to the remaining 50 questions is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-84	February 24, 2011
RAI 422 — 03.09.02-85	February 24, 2011
RAI 422 — 03.09.02-87	March 24, 2011
RAI 422 — 03.09.02-88	March 24, 2011
RAI 422 — 03.09.02-89	March 24, 2011
RAI 422 — 03.09.02-90	March 24, 2011
RAI 422 — 03.09.02-91	March 24, 2011
RAI 422 — 03.09.02-92	March 24, 2011
RAI 422 — 03.09.02-93	March 24, 2011
RAI 422 — 03.09.02-94	March 24, 2011
RAI 422 — 03.09.02-95	March 24, 2011
RAI 422 — 03.09.02-96	March 24, 2011
RAI 422 — 03.09.02-97	March 24, 2011
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-99	April 6, 2011

Question #	Response Date
RAI 422 — 03.09.02-100	April 6, 2011
RAI 422 — 03.09.02-101	April 6, 2011
RAI 422 — 03.09.02-102	April 6, 2011
RAI 422 — 03.09.02-103	April 6, 2011
RAI 422 — 03.09.02-104	April 6, 2011
RAI 422 — 03.09.02-105	April 6, 2011
RAI 422 — 03.09.02-106	April 6, 2011
RAI 422 — 03.09.02-107	April 6, 2011
RAI 422 — 03.09.02-108	April 6, 2011
RAI 422 — 03.09.02-109	February 24, 2011
RAI 422 — 03.09.02-110	April 6, 2011
RAI 422 — 03.09.02-111	April 6, 2011
RAI 422 — 03.09.02-112	April 6, 2011
RAI 422 — 03.09.02-113	February 24, 2011
RAI 422 — 03.09.02-114	February 24, 2011
RAI 422 — 03.09.02-115	February 24, 2011
RAI 422 — 03.09.02-116	February 24, 2011
RAI 422 — 03.09.02-117	February 24, 2011
RAI 422 — 03.09.02-118	February 24, 2011
RAI 422 — 03.09.02-119	February 24, 2011
RAI 422 — 03.09.02-120	February 24, 2011
RAI 422 — 03.09.02-121	February 24, 2011
RAI 422 — 03.09.02-122	February 24, 2011
RAI 422 — 03.09.02-123	February 24, 2011
RAI 422 — 03.09.02-124	March 23, 2011
RAI 422 — 03.09.02-126	March 23, 2011
RAI 422 — 03.09.02-127	March 23, 2011
RAI 422 — 03.09.02-131	February 24, 2011
RAI 422 — 03.09.02-134	March 23, 2011
RAI 422 — 03.09.02-138	March 24, 2011
RAI 422 — 03.09.02-140	March 23, 2011
RAI 422 — 03.09.02-142	March 24, 2011
RAI 422 — 03.09.02-144	February 24, 2011
RAI 422 — 03.09.02-145	May 5, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Tuesday, February 08, 2011 11:19 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. 422, FSARCh. 3, Supplement 9

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions was revised January 27, 2011 based on additional evaluations performed since the initial schedule was provided.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions is revised to allow additional time for AREVA NP to interact with the NRC and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-87	March 24, 2011
RAI 422 — 03.09.02-88	March 24, 2011
RAI 422 — 03.09.02-89	March 24, 2011
RAI 422 — 03.09.02-90	March 24, 2011
RAI 422 — 03.09.02-91	March 24, 2011
RAI 422 — 03.09.02-92	March 24, 2011
RAI 422 — 03.09.02-93	March 24, 2011
RAI 422 — 03.09.02-94	March 24, 2011
RAI 422 — 03.09.02-95	March 24, 2011
RAI 422 — 03.09.02-96	March 24, 2011
RAI 422 — 03.09.02-97	March 24, 2011
RAI 422 — 03.09.02-138	March 24, 2011
RAI 422 — 03.09.02-142	March 24, 2011

The schedule for a technically correct and complete response to the remaining 50 questions (including the information above) is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-84	February 24, 2011
RAI 422 — 03.09.02-85	February 24, 2011
RAI 422 — 03.09.02-87	March 24, 2011
RAI 422 — 03.09.02-88	March 24, 2011
RAI 422 — 03.09.02-89	March 24, 2011
RAI 422 — 03.09.02-90	March 24, 2011
RAI 422 — 03.09.02-91	March 24, 2011
RAI 422 — 03.09.02-92	March 24, 2011
RAI 422 — 03.09.02-93	March 24, 2011
RAI 422 — 03.09.02-94	March 24, 2011
RAI 422 — 03.09.02-95	March 24, 2011
RAI 422 — 03.09.02-96	March 24, 2011
RAI 422 — 03.09.02-97	March 24, 2011
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-99	February 15, 2011
RAI 422 — 03.09.02-100	February 15, 2011
RAI 422 — 03.09.02-101	February 15, 2011
RAI 422 — 03.09.02-102	February 15, 2011
RAI 422 — 03.09.02-103	February 15, 2011
RAI 422 — 03.09.02-104	February 15, 2011
RAI 422 — 03.09.02-105	February 15, 2011
RAI 422 — 03.09.02-106	February 15, 2011
RAI 422 — 03.09.02-107	February 15, 2011
RAI 422 — 03.09.02-108	February 15, 2011
RAI 422 — 03.09.02-109	February 24, 2011
RAI 422 — 03.09.02-110	February 15, 2011
RAI 422 — 03.09.02-111	February 15, 2011
RAI 422 — 03.09.02-112	February 15, 2011
RAI 422 — 03.09.02-113	February 24, 2011
RAI 422 — 03.09.02-114	February 24, 2011
RAI 422 — 03.09.02-115	February 24, 2011
RAI 422 — 03.09.02-116	February 24, 2011
RAI 422 — 03.09.02-117	February 24, 2011
RAI 422 — 03.09.02-118	February 24, 2011
RAI 422 — 03.09.02-119	February 24, 2011
RAI 422 — 03.09.02-120	February 24, 2011
RAI 422 — 03.09.02-121	February 24, 2011
RAI 422 — 03.09.02-122	February 24, 2011
RAI 422 — 03.09.02-123	February 24, 2011
RAI 422 — 03.09.02-124	March 23, 2011
RAI 422 — 03.09.02-126	March 23, 2011
RAI 422 — 03.09.02-127	March 23, 2011
RAI 422 — 03.09.02-131	February 24, 2011

Question #	Response Date
RAI 422 — 03.09.02-134	March 23, 2011
RAI 422 — 03.09.02-138	March 24, 2011
RAI 422 — 03.09.02-140	March 23, 2011
RAI 422 — 03.09.02-142	March 24, 2011
RAI 422 — 03.09.02-144	February 24, 2011
RAI 422 — 03.09.02-145	May 5, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Thursday, January 27, 2011 11:41 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. 422, FSARCh. 3, Supplement 8

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions was revised January 13, 2011 to allow additional time for AREVA NP to address NRC comments.

The schedule for a technically correct and complete response to 3 of the remaining 50 questions is revised based on additional evaluations performed since the initial schedule was provided and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-145	May 5, 2011

The schedule for a technically correct and complete response to the remaining 50 questions is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	May 5, 2011
RAI 422 — 03.09.02-84	February 24, 2011
RAI 422 — 03.09.02-85	February 24, 2011
RAI 422 — 03.09.02-87	February 16, 2011
RAI 422 — 03.09.02-88	February 16, 2011
RAI 422 — 03.09.02-89	February 16, 2011
RAI 422 — 03.09.02-90	February 16, 2011
RAI 422 — 03.09.02-91	February 16, 2011
RAI 422 — 03.09.02-92	February 16, 2011
RAI 422 — 03.09.02-93	February 16, 2011
RAI 422 — 03.09.02-94	February 16, 2011
RAI 422 — 03.09.02-95	February 16, 2011
RAI 422 — 03.09.02-96	February 16, 2011
RAI 422 — 03.09.02-97	February 16, 2011
RAI 422 — 03.09.02-98	May 5, 2011
RAI 422 — 03.09.02-99	February 15, 2011
RAI 422 — 03.09.02-100	February 15, 2011
RAI 422 — 03.09.02-101	February 15, 2011
RAI 422 — 03.09.02-102	February 15, 2011
RAI 422 — 03.09.02-103	February 15, 2011
RAI 422 — 03.09.02-104	February 15, 2011
RAI 422 — 03.09.02-105	February 15, 2011
RAI 422 — 03.09.02-106	February 15, 2011
RAI 422 — 03.09.02-107	February 15, 2011
RAI 422 — 03.09.02-108	February 15, 2011
RAI 422 — 03.09.02-109	February 24, 2011
RAI 422 — 03.09.02-110	February 15, 2011
RAI 422 — 03.09.02-111	February 15, 2011
RAI 422 — 03.09.02-112	February 15, 2011
RAI 422 — 03.09.02-113	February 24, 2011
RAI 422 — 03.09.02-114	February 24, 2011
RAI 422 — 03.09.02-115	February 24, 2011
RAI 422 — 03.09.02-116	February 24, 2011
RAI 422 — 03.09.02-117	February 24, 2011

Question #	Response Date
RAI 422 — 03.09.02-118	February 24, 2011
RAI 422 — 03.09.02-119	February 24, 2011
RAI 422 — 03.09.02-120	February 24, 2011
RAI 422 — 03.09.02-121	February 24, 2011
RAI 422 — 03.09.02-122	February 24, 2011
RAI 422 — 03.09.02-123	February 24, 2011
RAI 422 — 03.09.02-124	March 23, 2011
RAI 422 — 03.09.02-126	March 23, 2011
RAI 422 — 03.09.02-127	March 23, 2011
RAI 422 — 03.09.02-131	February 24, 2011
RAI 422 — 03.09.02-134	March 23, 2011
RAI 422 — 03.09.02-138	February 16, 2011
RAI 422 — 03.09.02-140	March 23, 2011
RAI 422 — 03.09.02-142	February 16, 2011
RAI 422 — 03.09.02-144	February 24, 2011
RAI 422 — 03.09.02-145	May 5, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Thursday, January 13, 2011 5:44 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. 422, FSARCh. 3, Supplement 7

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions was revised January 12, 2011 to allow additional time for AREVA NP to interact with the NRC.

The schedule for a technically correct and complete response to 5 of the remaining 50 questions is revised to allow additional time for AREVA NP to address NRC comments and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-124	March 23, 2011
RAI 422 — 03.09.02-126	March 23, 2011
RAI 422 — 03.09.02-127	March 23, 2011
RAI 422 — 03.09.02-134	March 23, 2011
RAI 422 — 03.09.02-140	March 23, 2011

The schedule for a technically correct and complete response to the remaining 50 questions is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	February 24, 2011
RAI 422 — 03.09.02-84	February 24, 2011
RAI 422 — 03.09.02-85	February 24, 2011
RAI 422 — 03.09.02-87	February 16, 2011
RAI 422 — 03.09.02-88	February 16, 2011
RAI 422 — 03.09.02-89	February 16, 2011
RAI 422 — 03.09.02-90	February 16, 2011
RAI 422 — 03.09.02-91	February 16, 2011
RAI 422 — 03.09.02-92	February 16, 2011
RAI 422 — 03.09.02-93	February 16, 2011
RAI 422 — 03.09.02-94	February 16, 2011
RAI 422 — 03.09.02-95	February 16, 2011
RAI 422 — 03.09.02-96	February 16, 2011
RAI 422 — 03.09.02-97	February 16, 2011
RAI 422 — 03.09.02-98	February 24, 2011
RAI 422 — 03.09.02-99	February 15, 2011
RAI 422 — 03.09.02-100	February 15, 2011
RAI 422 — 03.09.02-101	February 15, 2011
RAI 422 — 03.09.02-102	February 15, 2011
RAI 422 — 03.09.02-103	February 15, 2011
RAI 422 — 03.09.02-104	February 15, 2011
RAI 422 — 03.09.02-105	February 15, 2011
RAI 422 — 03.09.02-106	February 15, 2011
RAI 422 — 03.09.02-107	February 15, 2011

Question #	Response Date
RAI 422 — 03.09.02-108	February 15, 2011
RAI 422 — 03.09.02-109	February 24, 2011
RAI 422 — 03.09.02-110	February 15, 2011
RAI 422 — 03.09.02-111	February 15, 2011
RAI 422 — 03.09.02-112	February 15, 2011
RAI 422 — 03.09.02-113	February 24, 2011
RAI 422 — 03.09.02-114	February 24, 2011
RAI 422 — 03.09.02-115	February 24, 2011
RAI 422 — 03.09.02-116	February 24, 2011
RAI 422 — 03.09.02-117	February 24, 2011
RAI 422 — 03.09.02-118	February 24, 2011
RAI 422 — 03.09.02-119	February 24, 2011
RAI 422 — 03.09.02-120	February 24, 2011
RAI 422 — 03.09.02-121	February 24, 2011
RAI 422 — 03.09.02-122	February 24, 2011
RAI 422 — 03.09.02-123	February 24, 2011
RAI 422 — 03.09.02-124	March 23, 2011
RAI 422 — 03.09.02-126	March 23, 2011
RAI 422 — 03.09.02-127	March 23, 2011
RAI 422 — 03.09.02-131	February 24, 2011
RAI 422 — 03.09.02-134	March 23, 2011
RAI 422 — 03.09.02-138	February 16, 2011
RAI 422 — 03.09.02-140	March 23, 2011
RAI 422 — 03.09.02-142	February 16, 2011
RAI 422 — 03.09.02-144	February 24, 2011
RAI 422 — 03.09.02-145	February 24, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Wednesday, January 12, 2011 3:58 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. 422, FSARCh. 3, Supplement 6

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for a technically correct and complete response to 16 of the remaining 61 questions was revised November 22, 2010 to allow additional time for AREVA NP to interact with the NRC.

AREVA NP provided technically correct and complete FINAL responses to 11 of the remaining 61 questions on December 22, 2010, as committed.

The schedule for a technically correct and complete response to 13 of the remaining 50 questions is revised to allow additional time for AREVA NP to interact with the NRC and is provided below.

Question #	**Response Date**
RAI 422 — 03.09.02-87	February 16, 2011
RAI 422 — 03.09.02-88	February 16, 2011
RAI 422 — 03.09.02-89	February 16, 2011
RAI 422 — 03.09.02-90	February 16, 2011
RAI 422 — 03.09.02-91	February 16, 2011
RAI 422 — 03.09.02-92	February 16, 2011
RAI 422 — 03.09.02-93	February 16, 2011
RAI 422 — 03.09.02-94	February 16, 2011
RAI 422 — 03.09.02-95	February 16, 2011
RAI 422 — 03.09.02-96	February 16, 2011
RAI 422 — 03.09.02-97	February 16, 2011
RAI 422 — 03.09.02-138	February 16, 2011
RAI 422 — 03.09.02-142	February 16, 2011

The schedule for a technically correct and complete response to the remaining 50 questions is provided below.

Question #	**Response Date**
RAI 422 — 03.09.02-82	February 24, 2011
RAI 422 — 03.09.02-84	February 24, 2011
RAI 422 — 03.09.02-85	February 24, 2011
RAI 422 — 03.09.02-87	February 16, 2011
RAI 422 — 03.09.02-88	February 16, 2011
RAI 422 — 03.09.02-89	February 16, 2011
RAI 422 — 03.09.02-90	February 16, 2011
RAI 422 — 03.09.02-91	February 16, 2011
RAI 422 — 03.09.02-92	February 16, 2011
RAI 422 — 03.09.02-93	February 16, 2011
RAI 422 — 03.09.02-94	February 16, 2011
RAI 422 — 03.09.02-95	February 16, 2011
RAI 422 — 03.09.02-96	February 16, 2011
RAI 422 — 03.09.02-97	February 16, 2011
RAI 422 — 03.09.02-98	February 24, 2011

Question #	Response Date
RAI 422 — 03.09.02-99	February 15, 2011
RAI 422 — 03.09.02-100	February 15, 2011
RAI 422 — 03.09.02-101	February 15, 2011
RAI 422 — 03.09.02-102	February 15, 2011
RAI 422 — 03.09.02-103	February 15, 2011
RAI 422 — 03.09.02-104	February 15, 2011
RAI 422 — 03.09.02-105	February 15, 2011
RAI 422 — 03.09.02-106	February 15, 2011
RAI 422 — 03.09.02-107	February 15, 2011
RAI 422 — 03.09.02-108	February 15, 2011
RAI 422 — 03.09.02-109	February 24, 2011
RAI 422 — 03.09.02-110	February 15, 2011
RAI 422 — 03.09.02-111	February 15, 2011
RAI 422 — 03.09.02-112	February 15, 2011
RAI 422 — 03.09.02-113	February 24, 2011
RAI 422 — 03.09.02-114	February 24, 2011
RAI 422 — 03.09.02-115	February 24, 2011
RAI 422 — 03.09.02-116	February 24, 2011
RAI 422 — 03.09.02-117	February 24, 2011
RAI 422 — 03.09.02-118	February 24, 2011
RAI 422 — 03.09.02-119	February 24, 2011
RAI 422 — 03.09.02-120	February 24, 2011
RAI 422 — 03.09.02-121	February 24, 2011
RAI 422 — 03.09.02-122	February 24, 2011
RAI 422 — 03.09.02-123	February 24, 2011
RAI 422 — 03.09.02-124	January 20, 2011
RAI 422 — 03.09.02-126	January 20, 2011
RAI 422 — 03.09.02-127	January 20, 2011
RAI 422 — 03.09.02-131	February 24, 2011
RAI 422 — 03.09.02-134	January 20, 2011
RAI 422 — 03.09.02-138	February 16, 2011
RAI 422 — 03.09.02-140	January 20, 2011
RAI 422 — 03.09.02-142	February 16, 2011
RAI 422 — 03.09.02-144	February 24, 2011
RAI 422 — 03.09.02-145	February 24, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Wednesday, December 22, 2010 7:28 PM
To: Tesfaye, Getachew
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); HAMMOND Philip (RS/PT); 'Carneal,

Jason'
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 5

Getachew,

The proprietary and non-proprietary versions of RAI 422 are submitted via AREVA NP Inc. letter, "Response to U.S. EPR Design Certification Application RAI No. 422, Supplement 5" NRC10:116, dated December 22, 2010. An affidavit to support withholding of information from public disclosure, per 10CFR2.390(b), is provided as an enclosure to that letter.

The following table indicates the respective pages in the response that contain AREVA NP's response to 11 of the remaining 61 questions.

Question #	Start Page	End Page
RAI 422 — 03.09.02-125	2	3
RAI 422 — 03.09.02-128	4	5
RAI 422 — 03.09.02-129	6	7
RAI 422 — 03.09.02-130	8	9
RAI 422 — 03.09.02-132	10	12
RAI 422 — 03.09.02-133	13	13
RAI 422 — 03.09.02-135	14	15
RAI 422 — 03.09.02-136	16	18
RAI 422 — 03.09.02-137	19	19
RAI 422 — 03.09.02-139	20	22
RAI 422 — 03.09.02-141	23	25

The schedule for the technically correct and complete responses to the remaining 50 questions is unchanged and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	February 24, 2011
RAI 422 — 03.09.02-84	February 24, 2011
RAI 422 — 03.09.02-85	February 24, 2011
RAI 422 — 03.09.02-87	January 12, 2011
RAI 422 — 03.09.02-88	January 12, 2011
RAI 422 — 03.09.02-89	January 12, 2011
RAI 422 — 03.09.02-90	January 12, 2011
RAI 422 — 03.09.02-91	January 12, 2011
RAI 422 — 03.09.02-92	January 12, 2011
RAI 422 — 03.09.02-93	January 12, 2011
RAI 422 — 03.09.02-94	January 12, 2011
RAI 422 — 03.09.02-95	January 12, 2011
RAI 422 — 03.09.02-96	January 12, 2011
RAI 422 — 03.09.02-97	January 12, 2011
RAI 422 — 03.09.02-98	February 24, 2011
RAI 422 — 03.09.02-99	February 15, 2011
RAI 422 — 03.09.02-100	February 15, 2011
RAI 422 — 03.09.02-101	February 15, 2011
RAI 422 — 03.09.02-102	February 15, 2011
RAI 422 — 03.09.02-103	February 15, 2011

Question #	Response Date
RAI 422 — 03.09.02-104	February 15, 2011
RAI 422 — 03.09.02-105	February 15, 2011
RAI 422 — 03.09.02-106	February 15, 2011
RAI 422 — 03.09.02-107	February 15, 2011
RAI 422 — 03.09.02-108	February 15, 2011
RAI 422 — 03.09.02-109	February 24, 2011
RAI 422 — 03.09.02-110	February 15, 2011
RAI 422 — 03.09.02-111	February 15, 2011
RAI 422 — 03.09.02-112	February 15, 2011
RAI 422 — 03.09.02-113	February 24, 2011
RAI 422 — 03.09.02-114	February 24, 2011
RAI 422 — 03.09.02-115	February 24, 2011
RAI 422 — 03.09.02-116	February 24, 2011
RAI 422 — 03.09.02-117	February 24, 2011
RAI 422 — 03.09.02-118	February 24, 2011
RAI 422 — 03.09.02-119	February 24, 2011
RAI 422 — 03.09.02-120	February 24, 2011
RAI 422 — 03.09.02-121	February 24, 2011
RAI 422 — 03.09.02-122	February 24, 2011
RAI 422 — 03.09.02-123	February 24, 2011
RAI 422 — 03.09.02-124	January 20, 2011
RAI 422 — 03.09.02-126	January 20, 2011
RAI 422 — 03.09.02-127	January 20, 2011
RAI 422 — 03.09.02-131	February 24, 2011
RAI 422 — 03.09.02-134	January 20, 2011
RAI 422 — 03.09.02-138	January 12, 2011
RAI 422 — 03.09.02-140	January 20, 2011
RAI 422 — 03.09.02-142	January 12, 2011
RAI 422 — 03.09.02-144	February 24, 2011
RAI 422 — 03.09.02-145	February 24, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Monday, November 22, 2010 12:11 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. 422, FSARCh. 3, Supplement 4

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions was revised based on additional evaluations performed since the revised schedule was provided on September 27, 2010. This revised schedule was provided on November 2, 2010.
.
The schedule for 16 of the remaining 61 questions is being revised and provided below to allow additional time for AREVA NP to interact with the NRC.

Question #	Response Date
RAI 422 — 03.09.02-124	January 20, 2011
RAI 422 — 03.09.02-125	January 20, 2011
RAI 422 — 03.09.02-126	January 20, 2011
RAI 422 — 03.09.02-127	January 20, 2011
RAI 422 — 03.09.02-128	January 20, 2011
RAI 422 — 03.09.02-129	January 20, 2011
RAI 422 — 03.09.02-130	January 20, 2011
RAI 422 — 03.09.02-132	January 20, 2011
RAI 422 — 03.09.02-133	January 20, 2011
RAI 422 — 03.09.02-134	January 20, 2011
RAI 422 — 03.09.02-135	January 20, 2011
RAI 422 — 03.09.02-136	January 20, 2011
RAI 422 — 03.09.02-137	January 20, 2011
RAI 422 — 03.09.02-139	January 20, 2011
RAI 422 — 03.09.02-140	January 20, 2011
RAI 422 — 03.09.02-141	January 20, 2011

The schedule for a technically correct and complete response to the remaining 61 questions is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	February 24, 2011
RAI 422 — 03.09.02-84	February 24, 2011
RAI 422 — 03.09.02-85	February 24, 2011
RAI 422 — 03.09.02-87	January 12, 2011
RAI 422 — 03.09.02-88	January 12, 2011
RAI 422 — 03.09.02-89	January 12, 2011
RAI 422 — 03.09.02-90	January 12, 2011
RAI 422 — 03.09.02-91	January 12, 2011
RAI 422 — 03.09.02-92	January 12, 2011
RAI 422 — 03.09.02-93	January 12, 2011
RAI 422 — 03.09.02-94	January 12, 2011

Question #	Response Date
RAI 422 — 03.09.02-95	January 12, 2011
RAI 422 — 03.09.02-96	January 12, 2011
RAI 422 — 03.09.02-97	January 12, 2011
RAI 422 — 03.09.02-98	February 24, 2011
RAI 422 — 03.09.02-99	February 15, 2011
RAI 422 — 03.09.02-100	February 15, 2011
RAI 422 — 03.09.02-101	February 15, 2011
RAI 422 — 03.09.02-102	February 15, 2011
RAI 422 — 03.09.02-103	February 15, 2011
RAI 422 — 03.09.02-104	February 15, 2011
RAI 422 — 03.09.02-105	February 15, 2011
RAI 422 — 03.09.02-106	February 15, 2011
RAI 422 — 03.09.02-107	February 15, 2011
RAI 422 — 03.09.02-108	February 15, 2011
RAI 422 — 03.09.02-109	February 24, 2011
RAI 422 — 03.09.02-110	February 15, 2011
RAI 422 — 03.09.02-111	February 15, 2011
RAI 422 — 03.09.02-112	February 15, 2011
RAI 422 — 03.09.02-113	February 24, 2011
RAI 422 — 03.09.02-114	February 24, 2011
RAI 422 — 03.09.02-115	February 24, 2011
RAI 422 — 03.09.02-116	February 24, 2011
RAI 422 — 03.09.02-117	February 24, 2011
RAI 422 — 03.09.02-118	February 24, 2011
RAI 422 — 03.09.02-119	February 24, 2011
RAI 422 — 03.09.02-120	February 24, 2011
RAI 422 — 03.09.02-121	February 24, 2011
RAI 422 — 03.09.02-122	February 24, 2011
RAI 422 — 03.09.02-123	February 24, 2011
RAI 422 — 03.09.02-124	January 20, 2011
RAI 422 — 03.09.02-125	January 20, 2011
RAI 422 — 03.09.02-126	January 20, 2011
RAI 422 — 03.09.02-127	January 20, 2011
RAI 422 — 03.09.02-128	January 20, 2011
RAI 422 — 03.09.02-129	January 20, 2011
RAI 422 — 03.09.02-130	January 20, 2011
RAI 422 — 03.09.02-131	February 24, 2011
RAI 422 — 03.09.02-132	January 20, 2011
RAI 422 — 03.09.02-133	January 20, 2011
RAI 422 — 03.09.02-134	January 20, 2011
RAI 422 — 03.09.02-135	January 20, 2011
RAI 422 — 03.09.02-136	January 20, 2011
RAI 422 — 03.09.02-137	January 20, 2011
RAI 422 — 03.09.02-138	January 12, 2011
RAI 422 — 03.09.02-139	January 20, 2011
RAI 422 — 03.09.02-140	January 20, 2011
RAI 422 — 03.09.02-141	January 20, 2011
RAI 422 — 03.09.02-142	January 12, 2011
RAI 422 — 03.09.02-144	February 24, 2011
RAI 422 — 03.09.02-145	February 24, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Tuesday, November 02, 2010 3:35 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); HAMMOND Philip (RS/PT); CORNELL Veronica (External RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 3

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions was revised based on the additional evaluations performed since the initial schedule was provided on September 2, 2010. This revised schedule was provided on September 27, 2010.

The schedule for a technically correct and complete response to 6 of the remaining 61 questions is revised and provided below based on additional evaluations.

Question #	Response Date
RAI 422 — 03.09.02-82	February 24, 2011
RAI 422 — 03.09.02-84	February 24, 2011
RAI 422 — 03.09.02-85	February 24, 2011
RAI 422 — 03.09.02-98	February 24, 2011
RAI 422 — 03.09.02-144	February 24, 2011
RAI 422 — 03.09.02-145	February 24, 2011

The schedule for a technically correct and complete response to the remaining 61 questions is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	February 24, 2011
RAI 422 — 03.09.02-84	February 24, 2011
RAI 422 — 03.09.02-85	February 24, 2011
RAI 422 — 03.09.02-87	January 12, 2011
RAI 422 — 03.09.02-88	January 12, 2011

Question #	Response Date
RAI 422 — 03.09.02-89	January 12, 2011
RAI 422 — 03.09.02-90	January 12, 2011
RAI 422 — 03.09.02-91	January 12, 2011
RAI 422 — 03.09.02-92	January 12, 2011
RAI 422 — 03.09.02-93	January 12, 2011
RAI 422 — 03.09.02-94	January 12, 2011
RAI 422 — 03.09.02-95	January 12, 2011
RAI 422 — 03.09.02-96	January 12, 2011
RAI 422 — 03.09.02-97	January 12, 2011
RAI 422 — 03.09.02-98	February 24, 2011
RAI 422 — 03.09.02-99	February 15, 2011
RAI 422 — 03.09.02-100	February 15, 2011
RAI 422 — 03.09.02-101	February 15, 2011
RAI 422 — 03.09.02-102	February 15, 2011
RAI 422 — 03.09.02-103	February 15, 2011
RAI 422 — 03.09.02-104	February 15, 2011
RAI 422 — 03.09.02-105	February 15, 2011
RAI 422 — 03.09.02-106	February 15, 2011
RAI 422 — 03.09.02-107	February 15, 2011
RAI 422 — 03.09.02-108	February 15, 2011
RAI 422 — 03.09.02-109	February 24, 2011
RAI 422 — 03.09.02-110	February 15, 2011
RAI 422 — 03.09.02-111	February 15, 2011
RAI 422 — 03.09.02-112	February 15, 2011
RAI 422 — 03.09.02-113	February 24, 2011
RAI 422 — 03.09.02-114	February 24, 2011
RAI 422 — 03.09.02-115	February 24, 2011
RAI 422 — 03.09.02-116	February 24, 2011
RAI 422 — 03.09.02-117	February 24, 2011
RAI 422 — 03.09.02-118	February 24, 2011
RAI 422 — 03.09.02-119	February 24, 2011
RAI 422 — 03.09.02-120	February 24, 2011
RAI 422 — 03.09.02-121	February 24, 2011
RAI 422 — 03.09.02-122	February 24, 2011
RAI 422 — 03.09.02-123	February 24, 2011
RAI 422 — 03.09.02-124	December 1, 2010
RAI 422 — 03.09.02-125	December 1, 2010
RAI 422 — 03.09.02-126	December 1, 2010
RAI 422 — 03.09.02-127	December 1, 2010
RAI 422 — 03.09.02-128	December 1, 2010
RAI 422 — 03.09.02-129	December 1, 2010
RAI 422 — 03.09.02-130	December 1, 2010
RAI 422 — 03.09.02-131	February 24, 2011
RAI 422 — 03.09.02-132	December 1, 2010
RAI 422 — 03.09.02-133	December 1, 2010
RAI 422 — 03.09.02-134	December 1, 2010
RAI 422 — 03.09.02-135	December 1, 2010
RAI 422 — 03.09.02-136	December 1, 2010
RAI 422 — 03.09.02-137	December 1, 2010
RAI 422 — 03.09.02-138	January 12, 2011

Question #	Response Date
RAI 422 — 03.09.02-139	December 1, 2010
RAI 422 — 03.09.02-140	December 1, 2010
RAI 422 — 03.09.02-141	December 1, 2010
RAI 422 — 03.09.02-142	January 12, 2011
RAI 422 — 03.09.02-144	February 24, 2011
RAI 422 — 03.09.02-145	February 24, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Monday, September 27, 2010 7:37 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. 422, FSARCh. 3, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010, noting that the schedule for 61 of the 63 questions was being further evaluated with additional schedule information to be provided by October 4, 2010.

AREVA NP provided technically correct and complete FINAL responses to 2 of the remaining 63 questions on September 9, 2010, as committed.

The schedule for a technically correct and complete response to the remaining 61 questions is revised and provided below based on the additional evaluations performed since the initial schedule was provided on September 2, 2010.

Question #	Response Date
RAI 422 — 03.09.02-82	February 15, 2011
RAI 422 — 03.09.02-84	February 15, 2011
RAI 422 — 03.09.02-85	February 15, 2011
RAI 422 — 03.09.02-87	January 12, 2011
RAI 422 — 03.09.02-88	January 12, 2011
RAI 422 — 03.09.02-89	January 12, 2011
RAI 422 — 03.09.02-90	January 12, 2011
RAI 422 — 03.09.02-91	January 12, 2011
RAI 422 — 03.09.02-92	January 12, 2011
RAI 422 — 03.09.02-93	January 12, 2011
RAI 422 — 03.09.02-94	January 12, 2011
RAI 422 — 03.09.02-95	January 12, 2011
RAI 422 — 03.09.02-96	January 12, 2011

Question #	Response Date
RAI 422 — 03.09.02-97	January 12, 2011
RAI 422 — 03.09.02-98	February 15, 2011
RAI 422 — 03.09.02-99	February 15, 2011
RAI 422 — 03.09.02-100	February 15, 2011
RAI 422 — 03.09.02-101	February 15, 2011
RAI 422 — 03.09.02-102	February 15, 2011
RAI 422 — 03.09.02-103	February 15, 2011
RAI 422 — 03.09.02-104	February 15, 2011
RAI 422 — 03.09.02-105	February 15, 2011
RAI 422 — 03.09.02-106	February 15, 2011
RAI 422 — 03.09.02-107	February 15, 2011
RAI 422 — 03.09.02-108	February 15, 2011
RAI 422 — 03.09.02-109	February 24, 2011
RAI 422 — 03.09.02-110	February 15, 2011
RAI 422 — 03.09.02-111	February 15, 2011
RAI 422 — 03.09.02-112	February 15, 2011
RAI 422 — 03.09.02-113	February 24, 2011
RAI 422 — 03.09.02-114	February 24, 2011
RAI 422 — 03.09.02-115	February 24, 2011
RAI 422 — 03.09.02-116	February 24, 2011
RAI 422 — 03.09.02-117	February 24, 2011
RAI 422 — 03.09.02-118	February 24, 2011
RAI 422 — 03.09.02-119	February 24, 2011
RAI 422 — 03.09.02-120	February 24, 2011
RAI 422 — 03.09.02-121	February 24, 2011
RAI 422 — 03.09.02-122	February 24, 2011
RAI 422 — 03.09.02-123	February 24, 2011
RAI 422 — 03.09.02-124	December 1, 2010
RAI 422 — 03.09.02-125	December 1, 2010
RAI 422 — 03.09.02-126	December 1, 2010
RAI 422 — 03.09.02-127	December 1, 2010
RAI 422 — 03.09.02-128	December 1, 2010
RAI 422 — 03.09.02-129	December 1, 2010
RAI 422 — 03.09.02-130	December 1, 2010
RAI 422 — 03.09.02-131	February 24, 2011
RAI 422 — 03.09.02-132	December 1, 2010
RAI 422 — 03.09.02-133	December 1, 2010
RAI 422 — 03.09.02-134	December 1, 2010
RAI 422 — 03.09.02-135	December 1, 2010
RAI 422 — 03.09.02-136	December 1, 2010
RAI 422 — 03.09.02-137	December 1, 2010
RAI 422 — 03.09.02-138	January 12, 2011
RAI 422 — 03.09.02-139	December 1, 2010
RAI 422 — 03.09.02-140	December 1, 2010
RAI 422 — 03.09.02-141	December 1, 2010
RAI 422 — 03.09.02-142	January 12, 2011
RAI 422 — 03.09.02-144	January 12, 2011
RAI 422 — 03.09.02-145	January 12, 2011

Sincerely,

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

From: BRYAN Martin (External RS/NB)
Sent: Thursday, September 09, 2010 11:40 AM
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. 422, FSARCh. 3, Supplement 1

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to RAI No. 422 on September 2, 2010.

The attached file, "RAI 422 Supplement 1 Response US EPR DC.pdf" provides technically correct and complete FINAL responses to 2 of the remaining 63 questions, as committed

The following table indicates the respective pages in the response document, "RAI 422 Supplement 1 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 422 — 03.09.02-86	2	2
RAI 422 — 03.09.02-143	3	5

The schedule for the technically correct and complete responses to the remaining 61 questions is unchanged and is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	October 4, 2010
RAI 422 — 03.09.02-84	October 4, 2010
RAI 422 — 03.09.02-85	October 4, 2010
RAI 422 — 03.09.02-87	October 4, 2010
RAI 422 — 03.09.02-88	October 4, 2010
RAI 422 — 03.09.02-89	October 4, 2010
RAI 422 — 03.09.02-90	October 4, 2010
RAI 422 — 03.09.02-91	October 4, 2010
RAI 422 — 03.09.02-92	October 4, 2010
RAI 422 — 03.09.02-93	October 4, 2010
RAI 422 — 03.09.02-94	October 4, 2010
RAI 422 — 03.09.02-95	October 4, 2010
RAI 422 — 03.09.02-96	October 4, 2010
RAI 422 — 03.09.02-97	October 4, 2010
RAI 422 — 03.09.02-98	October 4, 2010
RAI 422 — 03.09.02-99	October 4, 2010
RAI 422 — 03.09.02-100	October 4, 2010
RAI 422 — 03.09.02-101	October 4, 2010

Question #	Response Date
RAI 422 — 03.09.02-102	October 4, 2010
RAI 422 — 03.09.02-103	October 4, 2010
RAI 422 — 03.09.02-104	October 4, 2010
RAI 422 — 03.09.02-105	October 4, 2010
RAI 422 — 03.09.02-106	October 4, 2010
RAI 422 — 03.09.02-107	October 4, 2010
RAI 422 — 03.09.02-108	October 4, 2010
RAI 422 — 03.09.02-109	October 4, 2010
RAI 422 — 03.09.02-110	October 4, 2010
RAI 422 — 03.09.02-111	October 4, 2010
RAI 422 — 03.09.02-112	October 4, 2010
RAI 422 — 03.09.02-113	October 4, 2010
RAI 422 — 03.09.02-114	October 4, 2010
RAI 422 — 03.09.02-115	October 4, 2010
RAI 422 — 03.09.02-116	October 4, 2010
RAI 422 — 03.09.02-117	October 4, 2010
RAI 422 — 03.09.02-118	October 4, 2010
RAI 422 — 03.09.02-119	October 4, 2010
RAI 422 — 03.09.02-120	October 4, 2010
RAI 422 — 03.09.02-121	October 4, 2010
RAI 422 — 03.09.02-122	October 4, 2010
RAI 422 — 03.09.02-123	October 4, 2010
RAI 422 — 03.09.02-124	October 4, 2010
RAI 422 — 03.09.02-125	October 4, 2010
RAI 422 — 03.09.02-126	October 4, 2010
RAI 422 — 03.09.02-127	October 4, 2010
RAI 422 — 03.09.02-128	October 4, 2010
RAI 422 — 03.09.02-129	October 4, 2010
RAI 422 — 03.09.02-130	October 4, 2010
RAI 422 — 03.09.02-131	October 4, 2010
RAI 422 — 03.09.02-132	October 4, 2010
RAI 422 — 03.09.02-133	October 4, 2010
RAI 422 — 03.09.02-134	October 4, 2010
RAI 422 — 03.09.02-135	October 4, 2010
RAI 422 — 03.09.02-136	October 4, 2010
RAI 422 — 03.09.02-137	October 4, 2010
RAI 422 — 03.09.02-138	October 4, 2010
RAI 422 — 03.09.02-139	October 4, 2010
RAI 422 — 03.09.02-140	October 4, 2010
RAI 422 — 03.09.02-141	October 4, 2010
RAI 422 — 03.09.02-142	October 4, 2010
RAI 422 — 03.09.02-144	October 4, 2010
RAI 422 — 03.09.02-145	October 4, 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: Thursday, September 02, 2010 5:18 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); CORNELL Veronica (External RS/NB); Miernicki, Michael
Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 422 Response US EPR DC.pdf," provides a schedule since a technically correct and complete response to the RAI 422 questions is not provided. The schedule for questions OTHER than 03.09.02-86 and 03.09.02-143 is being further evaluated with additional information to be provided by the date listed below of October 4, 2010.

The following table indicates the respective pages in the response document, "RAI 422 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 422 — 03.09.02-82	2	3
RAI 422 — 03.09.02-84	4	4
RAI 422 — 03.09.02-85	5	5
RAI 422 — 03.09.02-86	6	6
RAI 422 — 03.09.02-87	7	7
RAI 422 — 03.09.02-88	8	8
RAI 422 — 03.09.02-89	9	9
RAI 422 — 03.09.02-90	10	10
RAI 422 — 03.09.02-91	11	11
RAI 422 — 03.09.02-92	12	12
RAI 422 — 03.09.02-93	13	13
RAI 422 — 03.09.02-94	14	14
RAI 422 — 03.09.02-95	15	15
RAI 422 — 03.09.02-96	16	16
RAI 422 — 03.09.02-97	17	17
RAI 422 — 03.09.02-98	18	18
RAI 422 — 03.09.02-99	19	19
RAI 422 — 03.09.02-100	20	20
RAI 422 — 03.09.02-101	21	21
RAI 422 — 03.09.02-102	22	22
RAI 422 — 03.09.02-103	23	23
RAI 422 — 03.09.02-104	24	24
RAI 422 — 03.09.02-105	25	25
RAI 422 — 03.09.02-106	26	26
RAI 422 — 03.09.02-107	27	27
RAI 422 — 03.09.02-108	28	28
RAI 422 — 03.09.02-109	29	29
RAI 422 — 03.09.02-110	30	30
RAI 422 — 03.09.02-111	31	31

Question #	Start Page	End Page
RAI 422 — 03.09.02-112	32	32
RAI 422 — 03.09.02-113	33	33
RAI 422 — 03.09.02-114	34	34
RAI 422 — 03.09.02-115	35	35
RAI 422 — 03.09.02-116	36	36
RAI 422 — 03.09.02-117	37	37
RAI 422 — 03.09.02-118	38	38
RAI 422 — 03.09.02-119	39	39
RAI 422 — 03.09.02-120	40	40
RAI 422 — 03.09.02-121	41	41
RAI 422 — 03.09.02-122	42	42
RAI 422 — 03.09.02-123	43	43
RAI 422 — 03.09.02-124	44	44
RAI 422 — 03.09.02-125	45	45
RAI 422 — 03.09.02-126	46	46
RAI 422 — 03.09.02-127	47	47
RAI 422 — 03.09.02-128	48	48
RAI 422 — 03.09.02-129	49	49
RAI 422 — 03.09.02-130	50	50
RAI 422 — 03.09.02-131	51	51
RAI 422 — 03.09.02-132	52	52
RAI 422 — 03.09.02-133	53	53
RAI 422 — 03.09.02-134	54	54
RAI 422 — 03.09.02-135	55	55
RAI 422 — 03.09.02-136	56	56
RAI 422 — 03.09.02-137	57	57
RAI 422 — 03.09.02-138	58	58
RAI 422 — 03.09.02-139	59	60
RAI 422 — 03.09.02-140	61	61
RAI 422 — 03.09.02-141	62	62
RAI 422 — 03.09.02-142	63	63
RAI 422 — 03.09.02-143	64	65
RAI 422 — 03.09.02-144	66	66
RAI 422 — 03.09.02-145	67	67

A complete answer is not provided for 63 of the 63 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Response Date
RAI 422 — 03.09.02-82	October 4, 2010
RAI 422 — 03.09.02-84	October 4, 2010
RAI 422 — 03.09.02-85	October 4, 2010
RAI 422 — 03.09.02-86	October 12, 2010
RAI 422 — 03.09.02-87	October 4, 2010
RAI 422 — 03.09.02-88	October 4, 2010
RAI 422 — 03.09.02-89	October 4, 2010
RAI 422 — 03.09.02-90	October 4, 2010
RAI 422 — 03.09.02-91	October 4, 2010
RAI 422 — 03.09.02-92	October 4, 2010
RAI 422 — 03.09.02-93	October 4, 2010

Question #	Response Date
RAI 422 — 03.09.02-94	October 4, 2010
RAI 422 — 03.09.02-95	October 4, 2010
RAI 422 — 03.09.02-96	October 4, 2010
RAI 422 — 03.09.02-97	October 4, 2010
RAI 422 — 03.09.02-98	October 4, 2010
RAI 422 — 03.09.02-99	October 4, 2010
RAI 422 — 03.09.02-100	October 4, 2010
RAI 422 — 03.09.02-101	October 4, 2010
RAI 422 — 03.09.02-102	October 4, 2010
RAI 422 — 03.09.02-103	October 4, 2010
RAI 422 — 03.09.02-104	October 4, 2010
RAI 422 — 03.09.02-105	October 4, 2010
RAI 422 — 03.09.02-106	October 4, 2010
RAI 422 — 03.09.02-107	October 4, 2010
RAI 422 — 03.09.02-108	October 4, 2010
RAI 422 — 03.09.02-109	October 4, 2010
RAI 422 — 03.09.02-110	October 4, 2010
RAI 422 — 03.09.02-111	October 4, 2010
RAI 422 — 03.09.02-112	October 4, 2010
RAI 422 — 03.09.02-113	October 4, 2010
RAI 422 — 03.09.02-114	October 4, 2010
RAI 422 — 03.09.02-115	October 4, 2010
RAI 422 — 03.09.02-116	October 4, 2010
RAI 422 — 03.09.02-117	October 4, 2010
RAI 422 — 03.09.02-118	October 4, 2010
RAI 422 — 03.09.02-119	October 4, 2010
RAI 422 — 03.09.02-120	October 4, 2010
RAI 422 — 03.09.02-121	October 4, 2010
RAI 422 — 03.09.02-122	October 4, 2010
RAI 422 — 03.09.02-123	October 4, 2010
RAI 422 — 03.09.02-124	October 4, 2010
RAI 422 — 03.09.02-125	October 4, 2010
RAI 422 — 03.09.02-126	October 4, 2010
RAI 422 — 03.09.02-127	October 4, 2010
RAI 422 — 03.09.02-128	October 4, 2010
RAI 422 — 03.09.02-129	October 4, 2010
RAI 422 — 03.09.02-130	October 4, 2010
RAI 422 — 03.09.02-131	October 4, 2010
RAI 422 — 03.09.02-132	October 4, 2010
RAI 422 — 03.09.02-133	October 4, 2010
RAI 422 — 03.09.02-134	October 4, 2010
RAI 422 — 03.09.02-135	October 4, 2010
RAI 422 — 03.09.02-136	October 4, 2010
RAI 422 — 03.09.02-137	October 4, 2010
RAI 422 — 03.09.02-138	October 4, 2010
RAI 422 — 03.09.02-139	October 4, 2010
RAI 422 — 03.09.02-140	October 4, 2010
RAI 422 — 03.09.02-141	October 4, 2010
RAI 422 — 03.09.02-142	October 4, 2010
RAI 422 — 03.09.02-143	October 12, 2010

Question #	Response Date
RAI 422 — 03.09.02-144	October 4, 2010
RAI 422 — 03.09.02-145	October 4, 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: Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]
Sent: Tuesday, August 03, 2010 2:01 PM
To: ZZ-DL-A-USEPR-DL
Cc: Wong, Yuken; Dixon-Herrity, Jennifer; Patel, Jay; Miernicki, Michael; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 422 (4792), FSARCh. 3

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on June 15, 2010, and discussed with your staff on July 29, 2010. Drat RAI Question 03.09.02-83 was deleted 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: 3484

Mail Envelope Properties (2FBE1051AEB2E748A0F98DF9EEE5A5D4937C1E)

Subject: Response to U.S. EPR Design Certification Application RAI No. 422, FSARCh. 3, Supplement 30
Sent Date: 10/18/2011 5:42:18 PM
Received Date: 10/18/2011 5:42:33 PM
From: WILLIFORD Dennis (AREVA)

Created By: Dennis.Williford@areva.com

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

Post Office: auscharmx02.adom.ad.corp

Files	**Size**	**Date & Time**
MESSAGE	152340	10/18/2011 5:42:33 PM

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