

## ArevaEPRDCPEm Resource

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**From:** WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]  
**Sent:** Monday, February 13, 2012 5:34 PM  
**To:** Tesfaye, Getachew  
**Cc:** BENNETT Kathy (AREVA); DELANO Karen (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); KOWALSKI David (AREVA)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch. 9, Supplement 8

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the eight questions in RAI No. 461 on March 2, 2011. Supplement 1, Supplement 2, Supplement 3, Supplement 4, Supplement 5 and Supplement 6 responses to RAI No. 461 were sent on April 29, 2011, June 8, 2011, July 7, 2011, August 12, 2011, September 13, 2011 and October 13, 2011, respectively, to provide a revised schedule. Supplement 7 response to RAI No. 461 was sent on November 18, 2011 to provide technically correct and complete final responses to 5 questions and a revised schedule for the remaining 3 questions.

The schedule for technically correct and complete responses to the remaining three questions has changed as provided below:

Question #	Response Date
RAI 461 — 09.04.01-3	March 23, 2012
RAI 461 — 09.04.03-4	March 23, 2012
RAI 461 — 09.04.03-6	March 23, 2012

Sincerely,

***Dennis Williford, P.E.***  
***U.S. EPR Design Certification Licensing Manager***  
***AREVA NP Inc.***

7207 IBM Drive, Mail Code CLT 2B  
Charlotte, NC 28262  
Phone: 704-805-2223  
Email: [Dennis.Williford@areva.com](mailto:Dennis.Williford@areva.com)

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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Friday, November 18, 2011 2:24 PM  
**To:** Getachew.Tesfaye@nrc.gov  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); KOWALSKI David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch. 9, Supplement 7

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the eight questions in RAI No. 461 on March 2, 2011. Supplement 1, Supplement 2, Supplement 3, Supplement 4, Supplement 5

and Supplement 6 responses to RAI No. 461 were sent on April 29, 2011, June 8, 2011, July 7, 2011, August 12, 2011, September 13, 2011 and October 13, 2011, respectively, to provide a revised schedule.

The attached file, "RAI 461 Supplement 7 Response US EPR DC.pdf" provides technically correct and complete final responses to five questions (Questions 09.04.01-4, 09.04.01-5, 09.04.03-5, 09.04.05-3 and 09.04.05-4).

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 461 Questions 09.04.03-5, 09.04.05-3 and 09.04.05-4.

The following table indicates the respective pages in the response document, "RAI 461 Supplement 7 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 461 — 09.04.01-4	2	2
RAI 461 — 09.04.01-5	3	3
RAI 461 — 09.04.03-5	4	5
RAI 461 — 09.04.05-3	6	7
RAI 461 — 09.04.05-4	8	8

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

Question #	Response Date
RAI 461 — 09.04.01-3	February 15, 2012
RAI 461 — 09.04.03-4	February 15, 2012
RAI 461 — 09.04.03-6	February 15, 2012

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  
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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Thursday, October 13, 2011 4:17 PM  
**To:** [Getachew.Tesfaye@nrc.gov](mailto:Getachew.Tesfaye@nrc.gov)  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); KOWALSKI David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch. 9, Supplement 6

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the eight questions in RAI No. 461 on March 2, 2011. Supplement 1, Supplement 2, Supplement 3, Supplement 4 and Supplement 5 responses to RAI No. 461 were sent on April 29, 2011, June 8, 2011, July 7, 2011, August 12, 2011 and September 13, 2011, respectively, to provide a revised schedule.

The schedule for technically correct and complete responses to the eight questions has been changed as provided below.

Question #	Response Date
RAI 461 — 09.04.01-3	November 18, 2011
RAI 461 — 09.04.01-4	November 18, 2011
RAI 461 — 09.04.01-5	November 18, 2011
RAI 461 — 09.04.03-4	November 18, 2011
RAI 461 — 09.04.03-5	November 18, 2011
RAI 461 — 09.04.03-6	November 18, 2011
RAI 461 — 09.04.05-3	November 18, 2011
RAI 461 — 09.04.05-4	November 18, 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  
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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Tuesday, September 13, 2011 4:41 PM  
**To:** [Getachew.Tesfaye@nrc.gov](mailto:Getachew.Tesfaye@nrc.gov)  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); KOWALSKI David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch. 9, Supplement 5

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the eight questions in RAI No. 461 on March 2, 2011. Supplement 1, Supplement 2, Supplement 3 and Supplement 4 responses to RAI No. 461 were sent on April 29, 2011, June 8, 2011, July 7, 2011 and August 12, 2011, respectively, to provide a revised schedule.

The schedule for technically correct and complete final responses to the eight questions has been changed and is provided below.

Question #	Response Date
RAI 461 — 09.04.01-3	October 13, 2011
RAI 461 — 09.04.01-4	October 13, 2011
RAI 461 — 09.04.01-5	October 13, 2011

RAI 461 — 09.04.03-4	<b>October 13, 2011</b>
RAI 461 — 09.04.03-5	<b>October 13, 2011</b>
RAI 461 — 09.04.03-6	<b>October 13, 2011</b>
RAI 461 — 09.04.05-3	<b>October 13, 2011</b>
RAI 461 — 09.04.05-4	<b>October 13, 2011</b>

Sincerely,

***Dennis Williford, P.E.***  
***U.S. EPR Design Certification Licensing Manager***  
***AREVA NP Inc.***

7207 IBM Drive, Mail Code CLT 2B  
Charlotte, NC 28262  
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Email: [Dennis.Williford@areva.com](mailto:Dennis.Williford@areva.com)

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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Friday, August 12, 2011 3:21 PM  
**To:** [Getachew.Tesfaye@nrc.gov](mailto:Getachew.Tesfaye@nrc.gov)  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); KOWALSKI David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch. 9, Supplement 4

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the eight questions in RAI No. 461 on March 2, 2011. Supplement 1, Supplement 2 and Supplement 3 responses to RAI No. 461 were sent on April 29, 2011, June 8, 2011 and July 7, 2011, respectively, to provide a revised schedule.

The schedule for technically correct and complete responses to the eight questions has been changed and is provided below.

<b>Question #</b>	<b>Response Date</b>
RAI 461 — 09.04.01-3	<b>September 13, 2011</b>
RAI 461 — 09.04.01-4	<b>September 13, 2011</b>
RAI 461 — 09.04.01-5	<b>September 13, 2011</b>
RAI 461 — 09.04.03-4	<b>September 13, 2011</b>
RAI 461 — 09.04.03-5	<b>September 13, 2011</b>
RAI 461 — 09.04.03-6	<b>September 13, 2011</b>
RAI 461 — 09.04.05-3	<b>September 13, 2011</b>
RAI 461 — 09.04.05-4	<b>September 13, 2011</b>

Sincerely,

***Dennis Williford, P.E.***  
***U.S. EPR Design Certification Licensing Manager***  
***AREVA NP Inc.***

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Charlotte, NC 28262  
Phone: 704-805-2223  
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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Thursday, July 07, 2011 4:39 PM  
**To:** 'Tefaye, Getachew'  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); KOWALSKI David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch. 9, Supplement 3

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the eight questions in RAI No. 461 on March 2, 2011. Supplement 1 and Supplement 2 responses to RAI No. 461 were sent on April 29, 2011 and June 8, 2011, respectively, to provide a revised schedule.

The schedule for technically correct and complete responses to the eight questions has been changed as provided below.

Question #	Response Date
RAI 461 — 09.04.01-3	August 12, 2011
RAI 461 — 09.04.01-4	August 12, 2011
RAI 461 — 09.04.01-5	August 12, 2011
RAI 461 — 09.04.03-4	August 12, 2011
RAI 461 — 09.04.03-5	August 12, 2011
RAI 461 — 09.04.03-6	August 12, 2011
RAI 461 — 09.04.05-3	August 12, 2011
RAI 461 — 09.04.05-4	August 12, 2011

Sincerely,

***Dennis Williford, P.E.***  
***U.S. EPR Design Certification Licensing Manager***  
***AREVA NP Inc.***

7207 IBM Drive, Mail Code CLT 2B  
Charlotte, NC 28262  
Phone: 704-805-2223  
Email: [Dennis.Williford@areva.com](mailto:Dennis.Williford@areva.com)

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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Wednesday, June 08, 2011 8:00 AM  
**To:** 'Tefaye, Getachew'  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); KOWALSKI David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch. 9, Supplement 2

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the eight questions in RAI No. 461 on March 2, 2011. Supplement 1 response to RAI No. 461 was sent on April 29, 2011 to provide a revised schedule.

The schedule for technically correct and complete responses to the eight questions has been changed and is provided below.

Question #	Response Date
RAI 461 — 09.04.01-3	July 8, 2011
RAI 461 — 09.04.01-4	July 8, 2011
RAI 461 — 09.04.01-5	July 8, 2011
RAI 461 — 09.04.03-4	July 8, 2011
RAI 461 — 09.04.03-5	July 8, 2011
RAI 461 — 09.04.03-6	July 8, 2011
RAI 461 — 09.04.05-3	July 8, 2011
RAI 461 — 09.04.05-4	July 8, 2011

Sincerely,

***Dennis Williford, P.E.***  
***U.S. EPR Design Certification Licensing Manager***  
***AREVA NP Inc.***

7207 IBM Drive, Mail Code CLT 2B  
Charlotte, NC 28262  
Phone: 704-805-2223  
Email: [Dennis.Williford@areva.com](mailto:Dennis.Williford@areva.com)

---

**From:** WELLS Russell (RS/NB)  
**Sent:** Friday, April 29, 2011 8:11 AM  
**To:** Tesfaye, Getachew  
**Cc:** KOWALSKI David (RS/NB); BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch. 9, Supplement 1

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the eight questions in RAI No. 461 on March 2, 2011.

To provide additional time to interact with the NRC, a revised schedule is provided in this e-mail.

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

Question #	Response Date
RAI 461 — 09.04.01-3	June 8, 2011
RAI 461 — 09.04.01-4	June 8, 2011
RAI 461 — 09.04.01-5	June 8, 2011

RAI 461 — 09.04.03-4	June 8, 2011
RAI 461 — 09.04.03-5	June 8, 2011
RAI 461 — 09.04.03-6	June 8, 2011
RAI 461 — 09.04.05-3	June 8, 2011
RAI 461 — 09.04.05-4	June 8, 2011

*Sincerely,*

*Russ Wells*

*U.S. EPR Design Certification Licensing Manager*

*AREVA NP, Inc.*

*3315 Old Forest Road, P.O. Box 10935*

*Mail Stop OF-57*

*Lynchburg, VA 24506-0935*

*Phone: 434-832-3884 (work)*

*434-942-6375 (cell)*

*Fax: 434-382-3884*

*[Russell.Wells@Areva.com](mailto:Russell.Wells@Areva.com)*

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**From:** WELLS Russell (RS/NB)

**Sent:** Wednesday, March 02, 2011 2:14 PM

**To:** 'Tefaye, Getachew'

**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); KOWALSKI David (RS/NB)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch. 9

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 461 Response US EPR DC," provides a schedule since technically correct and complete responses to the eight questions are not provided.

The following table indicates the respective pages in the response document, "RAI 461 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

<b>Question #</b>	<b>Start Page</b>	<b>End Page</b>
RAI 461 — 09.04.01-3	2	2
RAI 461 — 09.04.01-4	3	3
RAI 461 — 09.04.01-5	4	4
RAI 461 — 09.04.03-4	5	5
RAI 461 — 09.04.03-5	6	6
RAI 461 — 09.04.03-6	7	7
RAI 461 — 09.04.05-3	8	8
RAI 461 — 09.04.05-4	9	9

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

Question #	Response Date
RAI 461 — 09.04.01-3	April 29, 2011
RAI 461 — 09.04.01-4	April 29, 2011
RAI 461 — 09.04.01-5	April 29, 2011
RAI 461 — 09.04.03-4	April 29, 2011
RAI 461 — 09.04.03-5	April 29, 2011
RAI 461 — 09.04.03-6	April 29, 2011
RAI 461 — 09.04.05-3	April 29, 2011
RAI 461 — 09.04.05-4	April 29, 2011

*Sincerely,*

*Russ Wells*

*U.S. EPR Design Certification Licensing Manager*

*AREVA NP, Inc.*

*3315 Old Forest Road, P.O. Box 10935*

*Mail Stop OF-57*

*Lynchburg, VA 24506-0935*

*Phone: 434-832-3884 (work)*

*434-942-6375 (cell)*

*Fax: 434-382-3884*

*[Russell.Wells@Areva.com](mailto:Russell.Wells@Areva.com)*

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**From:** Tesfaye, Getachew [<mailto:Getachew.Tesfaye@nrc.gov>]

**Sent:** Thursday, February 03, 2011 10:29 AM

**To:** ZZ-DL-A-USEPR-DL

**Cc:** ODriscoll, James; Jackson, Christopher; McKirgan, John; Hearn, Peter; Colaccino, Joseph; ArevaEPRDCPEm Resource

**Subject:** U.S. EPR Design Certification Application RAI No. 461(5223, 5292, 5293), FSAR Ch. 9

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on December 8, 2010, and on February 3, 2011, you informed us that the RAI is clear and no further clarification is needed. As a result, no change is made to the draft RAI. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this information will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the published schedule.

Thanks,

Getachew Tesfaye

Sr. Project Manager

NRO/DNRL/NARP

(301) 415-3361



**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 3742

**Mail Envelope Properties** (2FBE1051AEB2E748A0F98DF9EEE5A5D4AE901F)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 461, FSAR Ch.  
9, Supplement 8  
**Sent Date:** 2/13/2012 5:33:47 PM  
**Received Date:** 2/13/2012 5:34:01 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  
"KOWALSKI David (AREVA)" <David.Kowalski@areva.com>  
Tracking Status: None  
"Tsfaye, Getachew" <Getachew.Tsfaye@nrc.gov>  
Tracking Status: None

**Post Office:** auscharm02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	15324	2/13/2012 5:34:01 PM

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