

## ArevaEPRDCPEm Resource

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**From:** WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]  
**Sent:** Thursday, January 03, 2013 1:44 PM  
**To:** Snyder, Amy  
**Cc:** DELANO Karen (AREVA); LEIGHLITER John (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); WILLS Tiffany (AREVA); Hearn, Peter  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 9

Amy,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the 2 questions in RAI No. 439 on September 27, 2010. A revised schedule was provided in Supplement 1 on November 23, 2010, Supplement 2 on February 16, 2011, Supplement 3 on March 16, 2011, Supplement 4 on May 4, 2011, Supplement 5 on June 9, 2011, Supplement 6 on July 7, 2011, and Supplement 7 on August 15, 2011. Supplement 8 response was sent on September 2, 2011 to provide technically correct and complete responses to the 2 questions. To address ACRS comments during the February 2012 ACRS Subcommittee Meeting for Chapter 3, we have provided a schedule for a revised final response to Question 14.03.07-36.

The schedule for a technically correct and complete revised final response for Question 14.03.07-36 is provided below:

Question #	Response Date
RAI 439 — 14.03.07-36	January 22, 2013

Sincerely,

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

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

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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Friday, September 02, 2011 2:25 PM  
**To:** Getachew.Tesfaye@nrc.gov  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); LENTZ Tony (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 8

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the 2 questions in RAI No. 439 on September 27, 2010. A revised schedule was provided in Supplement 1 on November 23, 2010, Supplement 2 on February 16, 2011, Supplement 3 on March 16, 2011, Supplement 4 on May 4, 2011, Supplement 5 on June 9, 2011, Supplement 6 on July 7, 2011, and Supplement 7 on August 15, 2011.

The attached file, "RAI 439 Supplement 8 Response US EPR DC.pdf" provides technically correct and complete FINAL responses to the remaining two questions. Appended to this file are affected pages of the

U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 439 Questions 14.02-162, and 14.03.07-36.

The following table indicates the respective pages in the response document, RAI 439 "Supplement 8 Response US EPR DC.pdf" that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 439 — 14.02-162	2	10
RAI 439 — 14.03.07-36	11	17

This concludes the formal AREVA NP response to RAI 439, and there are no questions from this RAI for which AREVA NP has not provided responses.

Sincerely,

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

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

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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Monday, August 15, 2011 4:22 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); LENTZ Tony (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 7

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the 2 questions in RAI No. 439 on September 27, 2010. A revised schedule was provided in Supplement 1 on November 23, 2010, Supplement 2 on February 16, 2011, Supplement 3 on March 16, 2011, Supplement 4 on May 4, 2011, Supplement 5 on June 9, 2011, and Supplement 6 on July 7, 2011.

The schedule for a technically correct and complete FINAL response for this RAI has been revised as provided below:

Question #	Response Date
RAI 439 — 14.02-162	<b>September 2, 2011</b>
RAI 439 — 14.03.07-36	<b>September 2, 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  
Phone: 704-805-2223  
Email: [Dennis.Williford@areva.com](mailto:Dennis.Williford@areva.com)

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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Thursday, July 07, 2011 4:50 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); LENTZ Tony (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 6

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the 2 questions in RAI No. 439 on September 27, 2010. A revised schedule was provided in Supplement 1 on November 23, 2010, Supplement 2 on February 16, 2011, Supplement 3 on March 16, 2011, Supplement 4 on May 4, 2011, and Supplement 5 on June 9, 2011.

The schedule for a technically correct and complete FINAL response for this RAI has been revised and is provided below:

Question #	Response Date
RAI 439 — 14.02-162	August 15, 2011
RAI 439 — 14.03.07-36	August 15, 2011

Sincerely,

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

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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Thursday, June 09, 2011 1:13 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); LENTZ Tony (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 5

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the 2 questions in RAI No. 439 on September 27, 2010. A revised schedule was provided in Supplement 1 on November 23, 2010, Supplement 2 on February 16, 2011, Supplement 3 on March 16, 2011, and Supplement 4 on May 4, 2011.

The schedule for a technically correct and complete FINAL response for this RAI has been revised and is provided below:

Question #	Response Date
RAI 439 — 14.02-162	July 8, 2011
RAI 439 — 14.03.07-36	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)

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**From:** WELLS Russell (RS/NB)  
**Sent:** Wednesday, May 04, 2011 1:06 PM  
**To:** 'Tefaye, Getachew'  
**Cc:** LENTZ Tony (External RS/NB); BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 4

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the 2 questions in RAI No. 439 on September 27, 2010. A revised schedule was provided in Supplement 1 on November 23, 2010, Supplement 2 on February 16, 2011, and Supplement 3 on March 16, 2011.

In order to allow time for interaction with the NRC, the schedule for a technically correct and complete FINAL response for this RAI has been revised and is provided below:

Question #	Response Date
RAI 439 — 14.02-162	June 9, 2011
RAI 439 — 14.03.07-36	June 9, 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 16, 2011 3:14 PM  
**To:** 'Tefaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); LENTZ Tony (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 3

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the 2 questions in RAI No. 439 on September 27, 2010. A revised schedule was provided in Supplement 1 on November 23, 2010 and Supplement 2 on February 10, 2011.

In order to allow time for interaction with the NRC, the schedule for a technically correct and complete FINAL response for this RAI has been revised and is provided below:

Question #	Response Date
RAI 439 — 14.02-162	May 5, 2011
RAI 439 — 14.03.07-36	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](mailto:Russell.Wells@Areva.com)*

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

**Sent:** Thursday, February 10, 2011 10:37 AM

**To:** Tesfaye, Getachew

**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); WELLS Russell (RS/NB)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule on September 27, 2010 and November 22, 2010 (Supplement 1) for technically correct and complete responses to the two questions in RAI 439.

In order to allow time for interaction with the NRC, the schedule for a technically correct and complete FINAL response for this RAI has been revised and is provided below:

Question #	Response Date
RAI 439 — 14.02-162	March 21, 2011
RAI 439 — 14.03.07-36	March 21, 2011

*Sincerely,*

Martin (Marty) C. Bryan

U.S. EPR Design Certification Licensing Manager

AREVA NP Inc.

Tel: (434) 832-3016

702 561-3528 cell

[Martin.Bryan.ext@areva.com](mailto:Martin.Bryan.ext@areva.com)

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**From:** BRYAN Martin (External RS/NB)  
**Sent:** Monday, November 22, 2010 5:37 PM  
**To:** 'Tsfaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); LENTZ Tony (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 1

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule on September 27, 2010 for technically correct and complete responses to the two questions in RAI 439. AREVA NP needs additional time to prepare the response and interact with the NRC.

The revised schedule for a technically correct and complete response to 2 of the 2 questions is provided below:

Question #	Response Date
RAI 439 — 14.02-162	February 21, 2011
RAI 439 — 14.03.07-36	February 21, 2011

Sincerely,

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

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**From:** BRYAN Martin (External RS/NB)  
**Sent:** Monday, September 27, 2010 1:48 PM  
**To:** 'Tsfaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); LENTZ Tony (External RS/NB); RYAN Tom (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 439 Response US EPR DC.pdf," provides the schedule for technically correct and complete responses to these questions.

The following table indicates the respective pages in the response document, "RAI 439 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 439 — 14.02-162	2	5
RAI 439 — 14.03.07-36	6	8

A complete answer is not provided for 2 of the 2 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Response Date
RAI 439 — 14.02-162	December 14, 2010
RAI 439 — 14.03.07-36	November 23, 2010

Sincerely,

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

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**From:** Tesfaye, Getachew [<mailto:Getachew.Tesfaye@nrc.gov>]  
**Sent:** Thursday, August 26, 2010 5:08 PM  
**To:** ZZ-DL-A-USEPR-DL  
**Cc:** Reddy, Devender; Lee, Samuel; Segala, John; Miernicki, Michael; Hearn, Peter; Colaccino, Joseph; ArevaEPRDCPEm Resource  
**Subject:** U.S. EPR Design Certification Application RAI No. 439 (4802,4803), FSAR Ch. 14

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on August 18, 2010, and on August 26, 2010, you informed us that the RAI is clear and no further clarification is needed. As a result, no change is made to the draft RAI. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this information will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the published schedule.

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

**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 4160

**Mail Envelope Properties** (554210743EFE354B8D5741BEB695E6560925D6)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 439, FSAR Ch. 14, Supplement 9  
**Sent Date:** 1/3/2013 1:44:01 PM  
**Received Date:** 1/3/2013 1:44:07 PM  
**From:** WILLIFORD Dennis (AREVA)

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

**Recipients:**

"DELANO Karen (AREVA)" <Karen.Delano@areva.com>  
Tracking Status: None  
"LEIGHLITER John (AREVA)" <John.Leighliter@areva.com>  
Tracking Status: None  
"ROMINE Judy (AREVA)" <Judy.Romine@areva.com>  
Tracking Status: None  
"RYAN Tom (AREVA)" <Tom.Ryan@areva.com>  
Tracking Status: None  
"WILLS Tiffany (AREVA)" <Tiffany.Wills@areva.com>  
Tracking Status: None  
"Hearn, Peter" <Peter.Hearn@nrc.gov>  
Tracking Status: None  
"Snyder, Amy" <Amy.Snyder@nrc.gov>  
Tracking Status: None

**Post Office:** FUSLYNCMX01.fdom.ad.corp

Files	Size	Date & Time
MESSAGE	14071	1/3/2013 1:44:07 PM

**Options**

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