

## ArevaEPRDCPEm Resource

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**From:** WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]  
**Sent:** Monday, July 01, 2013 5:42 PM  
**To:** Snyder, Amy  
**Cc:** Buckberg, Perry; ANDERSON Katherine (EXTERNAL AREVA); DELANO Karen (AREVA); LEIGHLITER John (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); LENTZ Tony (EXTERNAL AREVA); CRIBB Arnie (EXTERNAL AREVA)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 527 (6179, 6205, 6180), FSAR Ch. 14, Question 14.03.02-56 - STATUS

Amy,

In letter NRC 13:012 dated April 12, 2013, AREVA provided a schedule for the Advanced Response to RAI 527, Question 14.03.02-56 of July 1, 2013. Because this response is related to the final responses to the critical section RAIs, AREVA does not believe an advanced response is necessary. We plan to send the response to this question in Chapter 14 as final concurrent with the final responses to the related RAI 155 final responses.

The schedule for the final response to this question remains unchanged.

Question #	Advanced Response Date	NRC Comment Request Date	Final Response Date
RAI 527 — 14.03.02-56	N/A	N/A	August 30, 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, June 28, 2013 5:20 PM  
**To:** Amy.Snyder@nrc.gov  
**Cc:** Buckberg, Perry <Perry.Buckberg@nrc.gov> (Perry.Buckberg@nrc.gov); ANDERSON Katherine (External AREVA NP INC.); DELANO Karen (RS/NB); LEIGHLITER John (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); LENTZ Tony (External RS/NB); CRIBB Arnie (EXT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 527 (6179, 6205, 6180), FSAR Ch. 14, Supplement 5  
**Importance:** High

Amy,

AREVA NP provided a schedule for responding to the nine questions in RAI No. 527 on January 25, 2012. Supplement 1 response was sent on February 26, 2012 to provide a revised schedule for responses to these nine questions. Supplement 2 response was sent on March 29, 2013 to provide a final response to five

questions (Questions 14.03.02-57 through -61). Supplement 3 response was sent on May 28, 2013 to provide a technically correct and complete final response to Question 14.03.02-62. Supplement 4 response was sent on June 21, 2013 to provide a revised schedule for a final response to two of the remaining three questions..

The schedule for a technically correct and complete final response to two of the three remaining questions has been revised as provided below.

Question #	Response Date
RAI 527 — 14.02-163	<b>August 2, 2013</b>
RAI 527 — 14.03.02-56	August 30, 2013
RAI 527 — 14.03.07-38	<b>August 2, 2013</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:** KOWALSKI David (RS/NB)

**Sent:** Friday, June 21, 2013 1:43 PM

**To:** [Amy.Snyder@nrc.gov](mailto:Amy.Snyder@nrc.gov)

**Cc:** [Perry.Buckberg@nrc.gov](mailto:Perry.Buckberg@nrc.gov); ANDERSON Katherine (External AREVA NP INC.); DELANO Karen (RS/NB); LEIGHLITER John (RS/NB); LEWIS Ray (External RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); SHEPHERD Tracey (RS/NB); VANCE Brian (RS/NB); GUCWA Len (External RS/NB); KOWALSKI David (RS/NB); WILLIFORD Dennis (RS/NB); LENTZ Tony (External RS/NB); ABAYAN Victor (EP/PE); CRIBB Arnie (EXT)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 527 (6179, 6205, 6180), FSAR Ch. 14, Supplement 4

**Importance:** High

Amy,

AREVA NP provided a schedule for responding to the nine questions in RAI No. 527 on January 25, 2012. Supplement 1 response was sent on February 26, 2012 to provide a revised schedule for responses to these nine questions. Supplement 2 response was sent on March 29, 2013 to provide a final response to five questions (Questions 14.03.02-57 through -61). Supplement 3 response was sent on May 28, 2013 to provide a technically correct and complete final response to Question 14.03.02-62.

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

Question #	Response Date
RAI 527 — 14.02-163	<b>July 25, 2013</b>
RAI 527 — 14.03.02-56	August 30, 2013
RAI 527 — 14.03.07-38	<b>July 25, 2013</b>

Sincerely,

David Kowalski 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](mailto:Dennis.Williford@areva.com)

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**From:** WILLIFORD Dennis (RS/NB)

**Sent:** Tuesday, May 28, 2013 6:03 PM

**To:** [Amy.Snyder@nrc.gov](mailto:Amy.Snyder@nrc.gov)

**Cc:** Buckberg, Perry <[Perry.Buckberg@nrc.gov](mailto:Perry.Buckberg@nrc.gov)> ([Perry.Buckberg@nrc.gov](mailto:Perry.Buckberg@nrc.gov)); DELANO Karen (RS/NB); LEIGHLITER John (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WILLS Tiffany (CORP/QP); HONMA George (EXT); LENTZ Tony (External RS/NB); VANCE Brian (RS/NB); GUCWA Len (External RS/NB)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 527 (6179, 6205, 6180), FSAR Ch. 14, Supplement 3

Amy,

AREVA NP provided a schedule for responding to the nine questions in RAI No. 527 on January 25, 2012. Supplement 1 response was sent on February 26, 2012 to provide a revised schedule for responses to these questions. Supplement 2 response was sent on March 29, 2013 to provide a final response to five questions (Questions 14.03.02-57 through -61).

The attached file, "RAI 527 Supplement 3 Response US EPR DC.pdf," provides a technically correct and complete final response to Question 14.03.02-62.

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 527 Question 14.03.02-62.

The following table indicates the respective pages in the response document, "RAI 527 Supplement 3 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 527 — 14.03.02-62	2	3

The schedule for a technically correct and complete response to the remaining 3 questions is unchanged as provided below.

Question #	Response Date
RAI 527 — 14.02-163	June 21, 2013
RAI 527 — 14.03.02-56	August 30, 2013
RAI 527 — 14.03.07-38	June 21, 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, March 29, 2013 3:52 PM

**To:** [Amy.Snyder@nrc.gov](mailto:Amy.Snyder@nrc.gov)

**Cc:** Buckberg, Perry <[Perry.Buckberg@nrc.gov](mailto:Perry.Buckberg@nrc.gov)> ([Perry.Buckberg@nrc.gov](mailto:Perry.Buckberg@nrc.gov)); Jaffe, David; DELANO Karen (RS/NB); LEIGHLITER John (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WILLS Tiffany (CORP/QP); HONMA George (EXT); LENTZ Tony (External RS/NB)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 527 (6179, 6205, 6180), FSAR Ch. 14, Supplement 2

Amy,

AREVA NP provided a schedule for responding to the nine questions in RAI No. 527 on January 25, 2012. Supplement 1 response was sent on February 26, 2012 to provide a revised schedule for responses to these questions.

The attached file, "RAI 527 Supplement 2 Response US EPR DC - Public.pdf," provides technically correct and complete final responses to 5 questions (Questions 14.03-2-57 through -61). Because the response file contains security-related sensitive information that should be withheld from public disclosure in accordance with 10 CFR 2.390, a public version is provided with the security-related sensitive information redacted. This email and attached file do not contain any security-related information. An unredacted security-related version is provided under separate email.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 527 Questions 14.03.02-57, 14.03.02-58, 14.03.02-59, 14.03.02-60 and 14.03.02-61.

The following table indicates the respective pages in the response document, "RAI 527 Supplement 2 Response US EPR DC - Public.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 527 — 14.03.02-57	2	3
RAI 527 — 14.03.02-58	4	5
RAI 527 — 14.03.02-59	6	6
RAI 527 — 14.03.02-60	7	8
RAI 527 — 14.03.02-61	9	9

The schedule for technically correct and complete responses to 3 of the 4 remaining questions has been changed as provided below.

Question #	Response Date
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RAI 527 — 14.02-163	<b>June 21, 2013</b>
RAI 527 — 14.03.02-56	August 30, 2013
RAI 527 — 14.03.02-62	<b>May 28, 2013</b>
RAI 527 — 14.03.07-38	<b>June 21, 2013</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:** Sunday, February 26, 2012 7:35 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. 527 (6179, 6205, 6180), FSAR Ch. 14, Supplement 1

AREVA NP provided a schedule for a technically correct and complete response to the 9 questions in RAI 527 on January 25, 2012.

The schedule for a response to these 9 questions has been changed as provided below. This schedule was transmitted to the NRC in AREVA NP letter NRC:12:008 dated February 21, 2012.

<b>Question #</b>	<b>Response Date</b>
RAI 527 — 14.02-163	<b>March 29, 2013</b>
RAI 527 — 14.03.02-56	<b>August 30, 2013</b>
RAI 527 — 14.03.02-57	<b>March 29, 2013</b>
RAI 527 — 14.03.02-58	<b>March 29, 2013</b>
RAI 527 — 14.03.02-59	<b>March 29, 2013</b>
RAI 527 — 14.03.02-60	<b>March 29, 2013</b>
RAI 527 — 14.03.02-61	<b>March 29, 2013</b>
RAI 527 — 14.03.02-62	<b>March 29, 2013</b>
RAI 527 — 14.03.07-38	<b>March 29, 2013</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

**From:** WILLIFORD Dennis (RS/NB)

**Sent:** Wednesday, January 25, 2012 8:05 AM

**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); [Michael.Miernicki@nrc.gov](mailto:Michael.Miernicki@nrc.gov); Jaffe, David

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 527 (6179, 6205, 6180), FSAR Ch. 14

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 527 Response US EPR DC.pdf" provides a schedule since a technically correct and complete response to these 9 questions cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 527 Response US EPR DC.pdf" that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 527 — 14.02-163	2	4
RAI 527 — 14.03.02-56	5	6
RAI 527 — 14.03.02-57	7	7
RAI 527 — 14.03.02-58	8	8
RAI 527 — 14.03.02-59	9	9
RAI 527 — 14.03.02-60	10	10
RAI 527 — 14.03.02-61	11	11
RAI 527 — 14.03.02-62	12	13
RAI 527 — 14.03.07-38	14	16

A preliminary schedule for a technically correct and complete response to these questions is provided below. This schedule is being reevaluated and a new supplement with a revised schedule will be transmitted by February 21, 2012.

Question #	Response Date
RAI 527 — 14.02-163	February 21, 2012
RAI 527 — 14.03.02-56	February 21, 2012
RAI 527 — 14.03.02-57	February 21, 2012
RAI 527 — 14.03.02-58	February 21, 2012
RAI 527 — 14.03.02-59	February 21, 2012
RAI 527 — 14.03.02-60	February 21, 2012
RAI 527 — 14.03.02-61	February 21, 2012
RAI 527 — 14.03.02-62	February 21, 2012
RAI 527 — 14.03.07-38	February 21, 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:** Tesfaye, Getachew [<mailto:Getachew.Tesfaye@nrc.gov>]

**Sent:** Friday, December 16, 2011 8:38 AM

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

**Cc:** Dehmelt, Jean-Claude; Roach, Edward; Chakravorty, Manas; Thomas, Brian; Ford, Tanya; Jaffe, David; Colaccino, Joseph; ArevaEPRDCPEm Resource

**Subject:** U.S. EPR Design Certification Application RAI No. 527 (6179, 6205, 6180), FSAR Ch. 14

Attached please find the subject request for additional information (RAI). A draft of the RAI was provided to you on November 25, 2011, and on December 12, 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, excluding the time period of **December 24, 2011 thru January 2, 2012, to account for the holiday season** as discussed with AREVA NP Inc. For any RAIs that cannot be answered **within 40 days**, it is expected that a date for receipt of this information will be provided to the staff within the 40-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:** 4594

**Mail Envelope Properties** (554210743EFE354B8D5741BEB695E6561AB534)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 527 (6179, 6205, 6180), FSAR Ch. 14, Question 14.03.02-56 - STATUS  
**Sent Date:** 7/1/2013 5:42:25 PM  
**Received Date:** 7/1/2013 5:42:31 PM  
**From:** WILLIFORD Dennis (AREVA)

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

**Recipients:**

"Buckberg, Perry" <Perry.Buckberg@nrc.gov>  
Tracking Status: None  
"ANDERSON Katherine (EXTERNAL AREVA)" <katherine.anderson.ext@areva.com>  
Tracking Status: None  
"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  
"LENTZ Tony (EXTERNAL AREVA)" <Tony.Lentz.ext@areva.com>  
Tracking Status: None  
"CRIBB Arnie (EXTERNAL AREVA)" <arnie.cribb.ext@areva.com>  
Tracking Status: None  
"Snyder, Amy" <Amy.Snyder@nrc.gov>  
Tracking Status: None

**Post Office:** FUSLYNCMX03.fdom.ad.corp

Files	Size	Date & Time
MESSAGE	14398	7/1/2013 5:42:31 PM

**Options**

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