

## ArevaEPRDCPEm Resource

---

**From:** WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]  
**Sent:** Friday, May 03, 2013 4:31 PM  
**To:** Snyder, Amy  
**Cc:** Gleaves, Bill; ANDERSON Katherine (EXTERNAL AREVA); DELANO Karen (AREVA); LEIGHLITER John (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); KOWALSKI David (AREVA)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 511 (6019,6020,6012), FSAR Ch. 6, Supplement 6

Amy,

AREVA NP provided a schedule for responding to the six questions in RAI No. 511 on October 21, 2011. Supplement 1 response was sent on November 11, 2011 to provide a response to one (Question 06.02.02-124) of the six questions. Supplement 2, Supplement 3 and Supplement 4 responses to RAI No. 511 were sent on December 13, 2011, January 20, 2012, and February 24, 2012, respectively, to provide a revised schedule for the remaining five questions. Supplement 5 response to RAI No. 511 was sent on March 29, 2013 to provide technically correct and complete final responses to 3 (06.02.02-125, 06.02.02-126 and 06.04-11) of the remaining 5 Questions.

NRC staff review comments on advanced responses to Questions 06.04-9 and 06.04-10 were discussed during a telecon on March 14, 2013 and clarified in an e-mail received on March 20, 2013. Additional discussion and clarification occurred during subsequent telecons on April 8, 2013 and April 22, 2013. NRC staff comments will be considered and incorporated into the final responses to these two questions.

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

Question #	Response Date
RAI 511 — 06.04-9	May 17, 2013
RAI 511 — 06.04-10	May 17, 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)

---

**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Friday, March 29, 2013 3:23 PM  
**To:** [Amy.Snyder@nrc.gov](mailto:Amy.Snyder@nrc.gov)  
**Cc:** [bill.gleaves@nrc.gov](mailto:bill.gleaves@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); KOWALSKI David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 511 (6019,6020,6012), FSAR Ch. 6, Supplement 5  
**Importance:** High

Amy,

AREVA NP provided a schedule for responding to the six questions in RAI No. 511 on October 21, 2011. Supplement 1 response was sent on November 11, 2011 to provide a response to one (Question 06.02.02-124) of the six questions. Supplement 2, Supplement 3 and Supplement 4 responses to RAI No. 511 were sent on December 13, 2011, January 20, 2012, and February 24, 2012, respectively, to provide a revised schedule for the remaining five questions.

The attached file, "RAI 511 Supplement 5 Response US EPR DC.pdf," provides a technically correct and complete final response to Questions 06.02.02-125, 06.02.02-126 and 06.04-11. 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 511 Questions 06.02.02-125, 06.02.02-126 and 06.04-11.

The following table indicates the respective pages in the response document, "RAI 511 Supplement 5 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 511 — 06.02.02-125	2	3
RAI 511 — 06.02.02-126	4	5
RAI 511 — 06.04-11	6	6

A new schedule for technically correct and complete responses to the remaining two questions is being evaluated and is contingent upon scheduling a clarification telecon with NRC staff to further discuss remaining issues and review comments.

Question #	Response Date
RAI 511 — 06.04-9	TBD
RAI 511 — 06.04-10	TBD

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:** WILLIFORD Dennis (RS/NB)  
**Sent:** Friday, February 24, 2012 5:12 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); GUCWA Len (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 511 (6019,6020,6012), FSAR Ch. 6, Supplement 4  
**Importance:** High

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responding to the six questions of RAI No. 511 on October 21, 2011. Supplement 1 response was sent on November 11, 2011 to provide a response to one (Question 06.02.02-124) of the six questions. Supplement 2 and Supplement 3 responses to RAI No. 511 were sent on December 13, 2011 and January 20, 2012, respectively, to provide a revised schedule for the remaining five questions.

The schedule for technically correct and complete responses to the five 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.

Question #	Response Date
RAI 511 — 06.02.02-125	March 29, 2013
RAI 511 — 06.02.02-126	March 29, 2013
RAI 511 — 06.04-9	March 29, 2013
RAI 511 — 06.04-10	March 29, 2013
RAI 511 — 06.04-11	March 29, 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)

---

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

**Sent:** Friday, January 20, 2012 2:31 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); GUCWA Len (External RS/NB)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 511 (6019,6020,6012), FSAR Ch. 6, Supplement 3

**Importance:** High

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responding to the six questions of RAI No. 511 on October 21, 2011. Supplement 1 response was sent on November 11, 2011 to provide a response to one (Question 06.02.02-124) of the six questions.

Supplement 2 response was sent on December 13, 2011 to provide a preliminary revised schedule for the remaining five questions.

The preliminary schedule for the response to the remaining five questions has been changed as 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 511 — 06.02.02-125	February 21, 2012
RAI 511 — 06.02.02-126	February 21, 2012
RAI 511 — 06.04-9	February 21, 2012
RAI 511 — 06.04-10	February 21, 2012
RAI 511 — 06.04-11	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)

---

**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Tuesday, December 13, 2011 4:26 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)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 511 (6019,6020,6012), FSAR Ch. 6, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responding to the six questions of RAI No. 511 on October 21, 2011. Supplement 1 response to RAI No. 511 was sent on November 11, 2011 to provide a response to one (Question 06.02.02-124) of the six questions.

The preliminary schedule for the remaining five questions has changed from that provided in the November 11, 2011 response. The preliminary revised schedule is provided below. This schedule is being reevaluated and a new supplement with a revised schedule for the remaining five questions will be transmitted by January 25, 2012.

Question #	Response Date
RAI 511 — 06.02.02-125	<b>January 25, 2012</b>
RAI 511 — 06.02.02-126	<b>January 25, 2012</b>
RAI 511 — 06.04-9	<b>January 25, 2012</b>
RAI 511 — 06.04-10	<b>January 25, 2012</b>
RAI 511 — 06.04-11	<b>January 25, 2012</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)

---

**From:** RYAN Tom (RS/NB)  
**Sent:** Friday, November 11, 2011 11:37 AM  
**To:** Tesfaye, Getachew  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); GUCWA Len (External RS/NB); WILLIFORD Dennis (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 511 (6019,6020,6012), FSAR Ch. 6, Supplement 1

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responding to the six questions of RAI No. 511 on October 21, 2011. The attached file, "RAI 511 Supplement 1 Response US EPR DC.pdf," provides a technically correct and complete response to Question 06.02.02-124. The response references a revision to technical report, ANP-10293P, which is being provided by separate letter.

The following table indicates the respective pages in the response document, "RAI 511 Supplement 1 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 511 — 06.02.02-124	2	2

The preliminary schedule for the remaining 5 questions is unchanged from that provided in the October 21, 2011 response. A new supplement with a revised schedule for these 5 questions will be transmitted by December 14, 2011.

Question #	Response Date
RAI 511 — 06.02.02-125	December 14, 2011
RAI 511 — 06.02.02-126	December 14, 2011
RAI 511 — 06.04-9	December 14, 2011
RAI 511 — 06.04-10	December 14, 2011
RAI 511 — 06.04-11	December 14, 2011

Sincerely,

**Tom Ryan 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)

---

**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Friday, October 21, 2011 12:33 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); GUCWA Len (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 511 (6019,6020,6012), FSAR Ch. 6

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 511 Response US EPR DC.pdf," provides a schedule since technically correct and complete responses to the six questions cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 511 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
------------	------------	----------

RAI 511 — 06.02.02-124	2	2
RAI 511 — 06.02.02-125	3	3
RAI 511 — 06.02.02-126	4	4
RAI 511 — 06.04-9	5	6
RAI 511 — 06.04-10	7	8
RAI 511 — 06.04-11	9	9

The schedule for responding to Question 06.02.02-124 listed below is consistent with the commitment date for other GSI-191 questions that was provided in the GSI-191 Closure Plan letter (NRC:11:092) dated August 25, 2011. A preliminary schedule for technically correct and complete responses to the other 5 questions is provided below. This schedule is being reevaluated and a new supplement with a revised schedule for these 5 questions will be transmitted by December 14, 2011.

Question #	Response Date
RAI 511 — 06.02.02-124	November 18, 2011
RAI 511 — 06.02.02-125	December 14, 2011
RAI 511 — 06.02.02-126	December 14, 2011
RAI 511 — 06.04-9	December 14, 2011
RAI 511 — 06.04-10	December 14, 2011
RAI 511 — 06.04-11	December 14, 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:** Tesfaye, Getachew [<mailto:Getachew.Tesfaye@nrc.gov>]

**Sent:** Wednesday, September 21, 2011 5:20 PM

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

**Cc:** Ashley, Clinton; ODriscoll, James; Jackson, Christopher; McKirgan, John; Scarbrough, Thomas; Terao, David; Colaccino, Joseph; ArevaEPRDCPEm Resource

**Subject:** U.S. EPR Design Certification Application RAI No. 511 (6019,6020,6012), FSAR Ch. 6

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on August 31, 2011, and discussed with your staff on September 21, 2011. Drat RAI Questions 06.04-9 was modified as a result of that discussion. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this information will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the published schedule.

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

**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 4419

**Mail Envelope Properties** (554210743EFE354B8D5741BEB695E656152F5D)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 511  
(6019,6020,6012), FSAR Ch. 6, Supplement 6  
**Sent Date:** 5/3/2013 4:30:39 PM  
**Received Date:** 5/3/2013 4:31:06 PM  
**From:** WILLIFORD Dennis (AREVA)

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

**Recipients:**

"Gleaves, Bill" <Bill.Gleaves@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

"KOWALSKI David (AREVA)" <David.Kowalski@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	13946	5/3/2013 4:31:06 PM

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**