

## ArevaEPRDCPEm Resource

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**From:** WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]  
**Sent:** Monday, July 29, 2013 5:11 PM  
**To:** Snyder, Amy  
**Cc:** Chowdhury, Prosanta; ANDERSON Katherine (EXTERNAL AREVA); DELANO Karen (AREVA); LEIGHLITER John (AREVA); LENTZ Tony (EXTERNAL AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); RITCHEY Calvin (AREVA); SAWYER Ogden (AREVA); NOXON David (AREVA); GUCWA Len (EXTERNAL AREVA); VANCE Brian (AREVA); HONMA George (EXTERNAL AREVA); HOTTLE Nathan (AREVA); KOWALSKI David (AREVA)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Question 19-350 - STATUS

Amy,

An advanced response to RAI 460 Question 19-350 was transmitted to you on May 30, 2013. AREVA understands that the NRC staff needs additional time to complete their review and provide complete feedback. AREVA will provide a revised schedule for submittal of the final response to this question after receipt and evaluation of all NRC staff comments.

The schedule for a technically correct and complete final response is shown below.

Question #	Final Response Date
RAI 460 — 19-350	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)

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**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Thursday, May 30, 2013 9:39 PM  
**To:** Amy.Snyder@nrc.gov  
**Cc:** tanya.ford@nrc.gov; ANDERSON Katherine (External AREVA NP INC.); DELANO Karen (RS/NB); HONMA George (EXT); 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); NOXON David (RS/NB); RITCHEY Calvin (EP/PE)  
**Subject:** Advanced Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Question 19-350

Amy,

Attached is an Advanced Response for RAI 460, Question 19-350 in advance of the July 30, 2013 final date.

To keep our commitment to send a final response to this question by the commitment date, we need to receive all NRC staff feedback and comments no later than **July 16, 2013**.

Please let me know if NRC staff has any questions or if the response to this question can be sent as final.

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 06, 2012 10:38 AM  
**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); NOXON David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Supplement 7

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to the 3 questions of RAI 460 on February 7, 2011. Supplement 1 sent on June 3, 2011, Supplement 2 sent on October 18, 2011, Supplement 3 sent on November 18, 2011, Supplement 4 sent on December 13, 2011, and Supplement 5 sent on January 24, 2012 provided a revised schedule. Supplement 6 sent on February 27, 2012 provided a final response to 2 of the remaining 3 questions of RAI 460.

The schedule for a technically correct and complete response to the remaining question has been changed as provided below. This schedule was transmitted to the NRC in AREVA NP letter NRC:12:024 dated May 10, 2012.

Question #	Response Date
RAI 460 — 19-350	July 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:** Monday, February 27, 2012 11:58 AM  
**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); NOXON David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Supplement 6

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to the 3 questions of RAI 460 on February 7, 2011. Supplement 1 sent on June 3, 2011, Supplement 2 sent on October 18, 2011, Supplement 3 sent on November 18, 2011, Supplement 4 sent on December 13, 2011, and Supplement 5 sent on January 24, 2012 provided a revised schedule.

The attached file, "RAI 460 Supplement 6 Response US EPR DC.pdf," provides technically correct and complete final responses to 2 of the remaining 3 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 460 Question 19-348.

The following table indicates the respective pages in the response document, RAI 460 Supplement 6 Response US EPR DC.pdf," that contains AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 460 — 19-348	2	3
RAI 460 — 19-349	4	4

The schedule for a technically correct and complete response to the remaining question 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 460 — 19-350	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:** Tuesday, January 24, 2012 5:18 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); NOXON David (RS/NB); [Michael.Miernicki@nrc.gov](mailto:Michael.Miernicki@nrc.gov); [tanya.ford@nrc.gov](mailto:tanya.ford@nrc.gov)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Supplement 5

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to the 3 questions of RAI 460 on February 7, 2011. Supplement 1 sent on June 2, 2011, Supplement 2 sent on October 18, 2011, Supplement 3 sent on November 18, 2011, and Supplement 4 sent on December 13, 2011 provided a revised schedule.

A preliminary revised schedule for technically correct and complete responses to the remaining 3 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 460 — 19-348	February 21, 2012
RAI 460 — 19-349	February 21, 2012
RAI 460 — 19-350	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 4:46 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); NOXON David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Supplement 4

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to the 3 questions of RAI 460 on February 7, 2011. Supplement 1 sent on June 2, 2011, Supplement 2 sent on October 18, 2011, and Supplement 3 sent on November 18, 2011 provided a revised schedule.

A preliminary revised schedule for technically correct and complete responses to the remaining 3 questions is provided below. This schedule is being reevaluated and a new supplement with a revised schedule will be transmitted by January 25, 2012.

Question #	Response Date
RAI 460 — 19-348	January 25, 2012
RAI 460 — 19-349	January 25, 2012
RAI 460 — 19-350	January 25, 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 8:31 AM  
**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); NOXON David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Supplement 3

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to the 3 questions of RAI 460 on February 7, 2011. Supplement 1 sent on June 2, 2011, and Supplement 2 sent on October 18, 2011 provided a revised schedule.

A preliminary revised schedule for technically correct and complete responses to the remaining 3 questions is provided below. This schedule is being reevaluated and a new supplement with a revised schedule will be transmitted by December 14, 2011.

Question #	Response Date
RAI 460 — 19-348	<b>December 14, 2011</b>
RAI 460 — 19-349	<b>December 14, 2011</b>
RAI 460 — 19-350	<b>December 14, 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:** Tuesday, October 18, 2011 5:13 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); NOXON David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for a technically correct and complete response to the 3 questions of RAI 460 on February 7, 2011. Supplement 1 was sent on June 2, 2011 to provide a revised schedule.

A preliminary revised schedule for technically correct and complete responses to the remaining 3 questions is provided below. This schedule is being reevaluated and a new supplement with a revised schedule will be transmitted by November 17, 2011.

Question #	Response Date
RAI 460 — 19-348	<b>November 17, 2011</b>
RAI 460 — 19-349	<b>November 17, 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:** RYAN Tom (RS/NB)  
**Sent:** Thursday, June 02, 2011 4:39 PM  
**To:** Tesfaye, Getachew  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WILLIFORD Dennis (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Supplement 1

Getachew,

AREVA NP provided a schedule for a technically correct and complete response to RAI 460 on February 7, 2011.

The schedule for a technically correct and complete response for the remaining questions has been revised and is provided below.

Question #	Response Date
RAI 460 — 19-348	October 19, 2011
RAI 460 — 19-349	October 19, 2011
RAI 460 — 19-350	October 19, 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)

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**From:** BRYAN Martin (External RS/NB)  
**Sent:** Monday, February 07, 2011 5:46 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); NOXON David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 460 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 460 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 460 — 19-348	2	2
RAI 460 — 19-349	3	3
RAI 460 — 19-350	4	4

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

Question #	Response Date
RAI 460 — 19-348	June 2, 2011
RAI 460 — 19-349	June 2, 2011
RAI 460 — 19-350	June 2, 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)

---

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

**Sent:** Thursday, January 06, 2011 9:48 PM

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

**Cc:** Pohida, Marie; Fuller, Edward; Phan, Hanh; Mrowca, Lynn; Ford, Tanya; Colaccino, Joseph; ArevaEPRDCPEm Resource

**Subject:** U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI

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 January 6, 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:** 4632

**Mail Envelope Properties** (554210743EFE354B8D5741BEB695E6561E3B52)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 460 (5153, 5302),FSAR Ch. 19, New Phase 4 RAI, Question 19-350 - STATUS  
**Sent Date:** 7/29/2013 5:11:17 PM  
**Received Date:** 7/29/2013 5:11:26 PM  
**From:** WILLIFORD Dennis (AREVA)

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

**Recipients:**

"Chowdhury, Prosanta" <Prosanta.Chowdhury@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  
"LENTZ Tony (EXTERNAL AREVA)" <Tony.Lentz.ext@areva.com>  
Tracking Status: None  
"ROMINE Judy (AREVA)" <Judy.Romine@areva.com>  
Tracking Status: None  
"RYAN Tom (AREVA)" <Tom.Ryan@areva.com>  
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"RITCHEY Calvin (AREVA)" <Calvin.Ritchey@areva.com>  
Tracking Status: None  
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Tracking Status: None  
"NOXON David (AREVA)" <David.Noxon@areva.com>  
Tracking Status: None  
"GUCWA Len (EXTERNAL AREVA)" <Len.Gucwa.ext@areva.com>  
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"VANCE Brian (AREVA)" <Brian.Vance@areva.com>  
Tracking Status: None  
"HONMA George (EXTERNAL AREVA)" <George.Honma.ext@areva.com>  
Tracking Status: None  
"HOTTLE Nathan (AREVA)" <Nathan.Hottle@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	14917	7/29/2013 5:11:26 PM

**Options**  
**Priority:** Standard



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