

## ArevaEPRDCPEm Resource

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**From:** WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]  
**Sent:** Friday, June 28, 2013 5:49 PM  
**To:** Snyder, Amy  
**Cc:** Gleaves, Bill; ANDERSON Katherine (EXTERNAL AREVA); DELANO Karen (AREVA); LEIGHLITER John (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); NOXON David (AREVA)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 553 (6573, 6463), FSAR Ch. 6, Supplement 4

Amy,

AREVA NP Inc. letter NRC:13:050 dated June 28, 2013 provides a technically correct and complete final response to the remaining question in RAI 553 (Question 06.02.05-31). AREVA NP considers some of the material contained in the response to be proprietary information. As required by 10 CFR 2.390(b), an affidavit is provided to support the withholding of the proprietary information from public disclosure. Proprietary and non-proprietary versions of the enclosure to this letter are provided separately.

The following table indicates the respective pages in the response that contain AREVA NP's final response to the subject question.

| Question #            | Start Page | End Page |
|-----------------------|------------|----------|
| RAI 553 – 06.02.05-31 | 2          | 134      |

This concludes the formal AREVA NP response to RAI 553, and there are no questions from this RAI for which AREVA NP has not provided a response.

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, May 13, 2013 7:59 PM  
**To:** Amy.Snyder@nrc.gov  
**Cc:** bill.gleaves@nrc.gov; DELANO Karen (RS/NB); LEIGHLITER John (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WILLS Tiffany (CORP/QP); KOWALSKI David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 553 (6573, 6463), FSAR Ch. 6, Supplement 3

Amy,

AREVA NP Inc. provided a schedule for a technically correct and complete response to the two questions in RAI No. 553 on August 24, 2012. Supplement 1 response to RAI No. 553 was sent on February 1, 2013 to

provide a response to Question 06.03-18. Based on NRC staff feedback received during a public telecon on February 11, 2013, Supplement 2 response to RAI No. 553 was sent on February 14, 2013 to provide a revised final response to Question 06.03-18.

As discussed with NRC staff during a public meeting/telecon on April 15, 2013 [Topic: Emergency Core Cooling System - Net Positive Suction Head Update] and as provided in letter NRC:13:012 dated April 12, 2013, we are providing a revised response to RAI 553, Question 06.03-18. The attached file, "RAI 553 Supplement 3 Response US EPR DC.pdf" provides a revised final response to Question 06.03-18. This response supersedes the prior response to RAI 553 Question 06.03-18 in its entirety.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the revised response to RAI 553 Question 06.03-18.

The following table indicates the respective pages in the response document, "RAI 553 Supplement 3 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

| Question #         | Start Page | End Page |
|--------------------|------------|----------|
| RAI 553 — 06.03-18 | 2          | 7        |

The schedule for a technically correct and complete response to the remaining question has not changed as provided below.

| Question #            | Response Date |
|-----------------------|---------------|
| RAI 553 — 06.02.05-31 | June 28, 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:** Thursday, February 14, 2013 4:54 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); KOWALSKI David (RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 553 (6573, 6463), FSAR Ch. 6, Supplement 2

Amy,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the two questions in RAI No. 553 on August 24, 2012. Supplement 1 response to RAI No. 553 was sent on February 1, 2013 to provide a response to Question 06.03-18. Based on NRC staff feedback received during the public telecon on February 11<sup>th</sup>, we have provided a revised final response to Question 06.03-18.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the revised response to RAI 553 Question 06.03-18.

The following table indicates the respective pages in the response document, "RAI 553 Supplement 2 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

| Question #         | Start Page | End Page |
|--------------------|------------|----------|
| RAI 553 — 06.03-18 | 2          | 7        |

The schedule for a technically correct and complete response to the remaining question has not changed and is provided below.

| Question #            | Response Date |
|-----------------------|---------------|
| RAI 553 — 06.02.05-31 | June 28, 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, February 01, 2013 5:20 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); KOWALSKI David (RS/NB); GUCWA Len (External RS/NB)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 553 (6573, 6463), FSAR Ch. 6, Supplement 1

Amy,

AREVA NP Inc. provided a schedule for a technically correct and complete response to the two questions in RAI No. 553 on August 24, 2012.

The attached file, "RAI 553 Supplement 1 Response US EPR DC.pdf," provides a technically correct and complete final response to one of the two remaining 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 553 Question 06.03-18.

The following table indicates the respective pages in the response document, "RAI 553 Supplement 1 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

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

|                    |   |   |
|--------------------|---|---|
| RAI 553 — 06.03-18 | 2 | 7 |
|--------------------|---|---|

The schedule for a technically correct and complete response to the remaining question has not changed and is provided below.

| Question #            | Response Date |
|-----------------------|---------------|
| RAI 553 — 06.02.05-31 | June 28, 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, August 24, 2012 3:18 PM  
**To:** Tesfaye, Getachew  
**Cc:** BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); LEIGHLITER John (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. 553 (6573, 6463), FSAR Ch. 6

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 553 Response US EPR DC.pdf," provides a schedule since a technically correct and complete response to the two questions cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 553 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

| Question #            | Start Page | End Page |
|-----------------------|------------|----------|
| RAI 553 — 06.02.05-31 | 2          | 3        |
| RAI 553 — 06.03-18    | 4          | 5        |

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

| Question #            | Response Date            |
|-----------------------|--------------------------|
| RAI 553 — 06.02.05-31 | <b>June 28, 2013</b>     |
| RAI 553 — 06.03-18    | <b>November 27, 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)

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**From:** Tesfaye, Getachew [<mailto:Getachew.Tesfaye@nrc.gov>]  
**Sent:** Wednesday, July 25, 2012 4:27 PM  
**To:** ZZ-DL-A-USEPR-DL  
**Cc:** Grady, Anne-Marie; Ashley, Clinton; McKirgan, John; Budzynski, John; Donoghue, Joseph; Gleaves, Bill; Segala, John; ArevaEPRDCPEm Resource  
**Subject:** U.S. EPR Design Certification Application RAI No. 553 (6573, 6463), FSAR Ch. 6

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on June 26, 2012, and discussed with your staff on June 27, July 3 and July 10, 2012. Draft RAI Question 06.02.05-31(e) was modified as a result of those discussions. 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/LB1  
(301) 415-3361

**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 4575

**Mail Envelope Properties** (554210743EFE354B8D5741BEB695E6561A9DD8)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 553 (6573, 6463), FSAR Ch. 6, Supplement 4  
**Sent Date:** 6/28/2013 5:48:39 PM  
**Received Date:** 6/28/2013 5:48:43 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  
"NOXON David (AREVA)" <David.Noxon@areva.com>  
Tracking Status: None  
"Snyder, Amy" <Amy.Snyder@nrc.gov>  
Tracking Status: None

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

| <b>Files</b> | <b>Size</b> | <b>Date &amp; Time</b> |
|--------------|-------------|------------------------|
| MESSAGE      | 9667        | 6/28/2013 5:48:43 PM   |

**Options**

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