

## ArevaEPRDCPEm Resource

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**From:** WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]  
**Sent:** Tuesday, April 30, 2013 10:46 AM  
**To:** Snyder, Amy  
**Cc:** Gleaves, Bill; DELANO Karen (AREVA); LEIGHLITER John (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); WILLS Tiffany (AREVA); NOXON David (AREVA); GUCWA Len (EXTERNAL AREVA); VANCE Brian (AREVA); UYEDA Graydon (AREVA)  
**Subject:** RE: Response to FINAL- U.S. EPR Design Certification Application RAI No. 566 (6955), FSAR Ch. 6, Supplement 1 - STATUS

Amy,

During our April 1<sup>st</sup> public meeting to discuss severe accident hydrogen generation and as provided in letter NRC:13:012 dated April 12, 2013, AREVA provided a schedule for an Advanced Response to RAI 566, Question 06.02.05-32 of April 29, 2013 with a final response of May 31, 2013. However, during a QA review of the revised calculation for hydrogen generation from aluminum corrosion during a LOCA event in response to RAI 566, AREVA concluded that hydrogen generation from radiolysis of reactor coolant was not consistent with the methodology given in NUREG/CR-2847. Therefore, AREVA is revising the hydrogen generation calculation from reactor coolant radiolysis and will include the revised hydrogen generation from both aluminum corrosion and reactor coolant radiolysis in the response to RAI 566.

A revised schedule for the final response was provided in the Supplement 1 submittal earlier today. Our new date for the Advanced Response to RAI 566, Question 06.02.05-32 is provided below:

Question #	Advanced Response Date
RAI 566 — 06.02.05-32	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:** Tuesday, April 30, 2013 7:54 AM  
**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); NOXON David (RS/NB)  
**Subject:** Response to FINAL- U.S. EPR Design Certification Application RAI No. 566 (6955), FSAR Ch. 6, Supplement 1

Amy,

AREVA NP Inc. provided a schedule for a technically correct and complete response to the single question in RAI No. 566 on March 11, 2013.

The schedule for a technically correct and complete response to Question 06.02.05-32 has been changed as provided below.

<b>Question #</b>	<b>Response Date</b>
RAI 566 — 06.02.05-32	August 9, 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  
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Email: [Dennis.Williford@areva.com](mailto:Dennis.Williford@areva.com)

**From:** WILLIFORD Dennis (RS/NB)  
**Sent:** Monday, March 11, 2013 3:34 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); NOXON David (RS/NB)  
**Subject:** Response to FINAL- U.S. EPR Design Certification Application RAI No. 566 (6955), FSAR Ch. 6

Amy,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 566 Response US EPR DC.pdf," provides a schedule since a technically correct and complete response to the one question cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 566 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 566 — 06.02.05-32	2	2

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

Question #	Response Date
RAI 566 — 06.02.05-32	May 31, 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:** Snyder, Amy [<mailto:Amy.Snyder@nrc.gov>]  
**Sent:** Friday, February 08, 2013 7:17 AM  
**To:** ZZ-DL-A-USEPR-DL  
**Cc:** Gleaves, Bill; Grady, Anne-Marie; McKirgan, John; Segala, John  
**Subject:** FINAL- U.S. EPR Design Certification Application RAI No. 566 (6955), FSAR Ch. 6

Attached, please find the subject requests for additional information (RAI). An advanced RAI was provided to you on November 30, 2012, and discussed with your staff on December 14, 2012, and January 7, 2013. The advanced RAI was modified as a result of those discussions. On January 31, 2013, you informed us that the advanced RAI is clear and no further clarification is needed and that the RAI does not contain any proprietary information. 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 or March 11, 2013**, 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.”

Thank You,

Amy

Amy Snyder, U.S. EPR Design Certification Lead Project Manager  
Licensing Branch 1 (LB1)  
Division of New Reactor Licensing  
Office of New Reactors  
U.S. Nuclear Regulatory Commission

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**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 4358

**Mail Envelope Properties** (554210743EFE354B8D5741BEB695E65612C75F)

**Subject:** RE: Response to FINAL- U.S. EPR Design Certification Application RAI No. 566 (6955), FSAR Ch. 6, Supplement 1 - STATUS  
**Sent Date:** 4/30/2013 10:46:12 AM  
**Received Date:** 4/30/2013 10:46:16 AM  
**From:** WILLIFORD Dennis (AREVA)

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

**Recipients:**

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Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	5546	4/30/2013 10:46:16 AM

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