

## ArevaEPRDCPEm Resource

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**From:** WELLS Russell (AREVA) [Russell.Wells@areva.com]  
**Sent:** Thursday, April 28, 2011 6:18 PM  
**To:** Tesfaye, Getachew  
**Cc:** GUCWA Len (EXTERNAL AREVA); BENNETT Kathy (AREVA); DELANO Karen (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 362, FSAR Ch. 15, Supplement 5

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responding to the 5 questions in RAI 362 on March 1, 2010. On April 22, 2010, AREVA NP provided RAI 362 Supplement 1 response, deferring the completion schedule until a public meeting could be held.

On July 14, 2010, and November 18, 2010, AREVA NP submitted Supplement 2 and Supplement 3 responses to RAI 362, respectively, to revise the response schedule. Supplement 4 response to RAI 362 was provided on March 31, 2011 to revise the schedule for responding to the remaining questions.

To provide an opportunity for additional technical evaluations and interaction with the NRC staff, AREVA NP is providing a revised schedule for responding to Questions 15.06.05-56 through 15.06.05-60 as provided below.

Question #	Response Date
RAI 362 — 15.06.05-56	August 31, 2011
RAI 362 — 15.06.05-57	August 31, 2011
RAI 362 — 15.06.05-58	August 31, 2011
RAI 362 — 15.06.05-59	August 31, 2011
RAI 362 — 15.06.05-60	August 31, 2011

*Sincerely,*

*Russ Wells*

*U.S. EPR Design Certification Licensing Manager*

*AREVA NP, Inc.*

*3315 Old Forest Road, P.O. Box 10935*

*Mail Stop OF-57*

*Lynchburg, VA 24506-0935*

*Phone: 434-832-3884 (work)*

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*Fax: 434-382-3884*

*[Russell.Wells@Areva.com](mailto:Russell.Wells@Areva.com)*

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**From:** WELLS Russell (RS/NB)  
**Sent:** Thursday, March 31, 2011 1:37 PM  
**To:** Tesfaye, Getachew  
**Cc:** GUCWA Len (External RS/NB); 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. 362, FSAR Ch. 15, Supplement 4

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responding to the 5 questions in RAI 362 on March 1, 2010. On April 22, 2010, AREVA NP provided RAI 362 Supplement 1 response, deferring the completion schedule until a public meeting could be held.

On July 14, 2010, and November 18, 2010, AREVA NP submitted Supplement 2 and Supplement 3 responses to RAI 362 to revise the response schedule. The responses to the 5 remaining questions in RAI 362 are dependent upon the results of ongoing re-evaluations of GSI-191 source term, sump strainer design and testing. A revised schedule for providing technically correct and complete responses to the remaining questions in RAI 362 was developed based on these ongoing activities.

The 5 remaining questions include evaluations of the in-vessel, downstream effects of debris bypassing sump strainers. The schedule for responding to the remaining RAI 191 questions is revised and is provided below.

Question #	Response Date
RAI 362 — 15.06.05-56	April 30, 2011
RAI 362 — 15.06.05-57	April 30, 2011
RAI 362 — 15.06.05-58	April 30, 2011
RAI 362 — 15.06.05-59	April 30, 2011
RAI 362 — 15.06.05-60	April 30, 2011

*Sincerely,*

*Russ Wells*

*U.S. EPR Design Certification Licensing Manager*

*AREVA NP, Inc.*

*3315 Old Forest Road, P.O. Box 10935*

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*Lynchburg, VA 24506-0935*

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*[Russell.Wells@Areva.com](mailto:Russell.Wells@Areva.com)*

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**From:** BRYAN Martin (External RS/NB)

**Sent:** Thursday, November 18, 2010 12:45 PM

**To:** Tesfaye, Getachew

**Cc:** DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); GUCWA Len (External RS/NB); Miernicki, Michael

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 362, FSAR Ch. 15, Supplement 3

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responding to the 5 questions in RAI 362 on March 1, 2010. On April 22, 2010, AREVA NP provided RAI 362 Supplement 1 response, deferring the completion schedule until a public meeting could be held.

On July 14, 2010, AREVA NP submitted Supplement 2 response to RAI 362 to revise the response schedule. The responses to the 5 remaining questions in RAI 362 are dependent upon the results of ongoing re-evaluations of GSI-191 source term, sump strainer design and testing. A revised schedule for providing technically correct and complete responses to the remaining questions in RAI 362 was developed based on

these ongoing activities. The schedule for technically correct and complete responses to the RAI 362 questions is provided below.

Question #	Response Date
RAI 362 — 15.06.05-56	March 31, 2011
RAI 362 — 15.06.05-57	March 31, 2011
RAI 362 — 15.06.05-58	March 31, 2011
RAI 362 — 15.06.05-59	March 31, 2011
RAI 362 — 15.06.05-60	March 31, 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)

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**From:** BRYAN Martin (EXT)  
**Sent:** Wednesday, July 14, 2010 3:07 PM  
**To:** 'Tefaye, Getachew'  
**Cc:** DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); GUCWA Len T (EXT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 362, FSAR Ch. 15, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responding to the 5 questions in RAI 362 on March 1, 2010. On April 22, 2010, AREVA NP provided RAI 362 Supplement 1 response, deferring the completion schedule until a public meeting could be held.

The responses to the 5 questions in RAI 362 are dependent upon the results of ongoing GSI-191 testing and evaluations of downstream effects on fuel assemblies. A revised schedule for providing technically correct and complete responses to the remaining questions in RAI 362 was developed based on these ongoing activities. Timelines for completing supporting activities were discussed with the NRC staff during a public meeting held at NRC headquarters on July 7, 2010. The schedule for technically correct and complete responses to the RAI 362 questions is provided below.

Question #	Response Date
RAI 362 — 15.06.05-56	November 19, 2010
RAI 362 — 15.06.05-57	November 19, 2010
RAI 362 — 15.06.05-58	November 19, 2010
RAI 362 — 15.06.05-59	November 19, 2010
RAI 362 — 15.06.05-60	November 19, 2010

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)

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**From:** BRYAN Martin (EXT)  
**Sent:** Thursday, April 22, 2010 6:25 PM  
**To:** 'Getachew.Tesfaye@nrc.gov'  
**Cc:** DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); GUCWA Len T (EXT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 362, FSAR Ch. 15, Supplement 1

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule for responding to the 5 questions in RAI 362 on March 1, 2010. The responses to the 5 questions in RAI 362 are dependent upon the results of ongoing GSI-191 evaluations of downstream effects on fuel assemblies, including additional testing. Because of these ongoing activities, AREVA NP is not providing a response at this time. A revised schedule for providing a technically correct and complete response to the remaining questions in RAI 362 will be provided within two weeks following the April 29, 2010 public meeting on GSI-191.

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)

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**From:** BRYAN Martin (EXT)  
**Sent:** Monday, March 01, 2010 3:52 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); GUCWA Len T (EXT)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 362, FSAR Ch. 15

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 362 Response US EPR DC.pdf" provides a schedule since a technically correct and complete response to the 5 questions cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 362 Response US EPR DC.pdf," that contains AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 362 — 15.06.05-56	2	2
RAI 362 — 15.06.05-57	3	3
RAI 362 — 15.06.05-58	4	4
RAI 362 — 15.06.05-59	5	5
RAI 362 — 15.06.05-60	6	6

A complete answer is not provided for 5 of the 5 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Response Date
RAI 362 — 15.06.05-56	April 22, 2010
RAI 362 — 15.06.05-57	April 22, 2010
RAI 362 — 15.06.05-58	April 22, 2010
RAI 362 — 15.06.05-59	April 22, 2010
RAI 362 — 15.06.05-60	April 22, 2010

Sincerely,

Martin (Marty) C. Bryan  
Licensing Advisory Engineer  
AREVA NP Inc.  
Tel: (434) 832-3016  
Martin.Bryan@areva.com

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

**Sent:** Friday, January 29, 2010 12:21 PM

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

**Cc:** Forsaty, Fred; Lu, Shanlai; Donoghue, Joseph; Carneal, Jason; Colaccino, Joseph; ArevaEPRDCPEm Resource

**Subject:** U.S. EPR Design Certification Application RAI No. 362 (4117), FSAR Ch. 15

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on January 26, 2010, and on January 29, 2010, 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:** 2909

**Mail Envelope Properties** (1F1CC1BBDC66B842A46CAC03D6B1CD41044AAD2F)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 362, FSAR Ch. 15, Supplement 5  
**Sent Date:** 4/28/2011 6:18:12 PM  
**Received Date:** 4/28/2011 6:18:51 PM  
**From:** WELLS Russell (AREVA)

**Created By:** Russell.Wells@areva.com

**Recipients:**

"GUCWA Len (EXTERNAL AREVA)" <Len.Gucwa.ext@areva.com>

Tracking Status: None

"BENNETT Kathy (AREVA)" <Kathy.Bennett@areva.com>

Tracking Status: None

"DELANO Karen (AREVA)" <Karen.Delano@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

"Tsfaye, Getachew" <Getachew.Tsfaye@nrc.gov>

Tracking Status: None

**Post Office:** AUSLYNCMX02.adom.ad.corp

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	10656	4/28/2011 6:18:51 PM

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**