

## ArevaEPRDCPEm Resource

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**From:** BRYAN Martin (EXT) [Martin.Bryan.ext@areva.com]  
**Sent:** Friday, April 16, 2010 4:48 PM  
**To:** Tesfaye, Getachew  
**Cc:** DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); PANNELL George L (AREVA NP INC); BUDZIK Dennis M (AREVA NP INC)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 322, FSAR Ch. 18, Supplement 5

Getachew,

In RAI 322 Supplement 3, a date of April 16, 2010 was provided for submittal of the "U.S. EPR Human Factors Verification and Validation Implementation Plan 118-9046087". This date applied to RAI 322, Question 18-48, RAI 328 Question 18-63 and RAI 328, Question 18-62, that were all discussed in RAI 322 Supplement 3.

This submittal provides a new date, show in the table below, for submitting the "U.S. EPR Human Factors Verification and Validation Implementation Plan 118-9046087."

Question #	Document	Commitment Date
RAI 322 — 18-48	U.S. EPR Human Factors Verification and Validation Implementation Plan 118-9046087	5/06/2010
RAI 328 — 18-62		
RAI 328 — 18-63		

Sincerely,

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

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**From:** BRYAN Martin (EXT)  
**Sent:** Friday, April 09, 2010 5:25 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); PANNELL George L (AREVA NP INC)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 322, FSAR Ch. 18, Supplement 4

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 4 of the 6 questions of RAI No. 322 on December 17, 2009. AREVA NP submitted Supplement 1 to the response on January 15, 2010 to address 1 of the remaining 2 questions. AREVA NP submitted Supplement 2 to the response on January 29, 2010 to address the remaining question. This submittal fulfills the commitment made in the responses to RAI No. 322, Questions 18-48 and 18-47 to provide the "U.S. EPR HFE Design Implementation Plan" (118-9047891).

The proprietary and non-proprietary versions of "U.S. EPR HFE Design Implementation Plan" (118-9047891). are submitted via AREVA NP Inc. letter, "U.S. EPR HFE Design Implementation Plan, U.S. EPR Design Certification Application RAI No. 322, Supplement 4," NRC 10:033, dated April 9, 2010. An affidavit to support withholding of information from public disclosure, per 10CFR2.390(b), is provided as an enclosure to that letter.

Sincerely,

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

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**From:** BRYAN Martin (EXT)  
**Sent:** Tuesday, March 30, 2010 6:36 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); PANNELL George L (AREVA NP INC)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 322, FSAR Ch. 18, Supplement 3

Getachew,

A response to RAI 322 Supplement 2 was submitted January 29, 2010. This submittal provided the final responses to the 6 questions in RAI 322. In this response, the submittal date for the "U.S. EPR Human Factors Verification and Validation Implementation Plan, 118-9046087" was shown as March 30, 2010, in response to question 18-48. The submittal date for this plan was later changed in response to RAI 328 Supplement 3, question 18-62, to be April 16, 2010, although question 18-63 in the same submittal inadvertently also stated March 30, 2010. Therefore, to update the information provided initially in RAI 322 Supplement 2, and also in RAI 328 Supplement 3 question 18-63, the schedule for "U.S. EPR Human Factors Verification and Validation Implementation Plan #118-9046087" is being changed from March 30, 2010 to April 16, 2010.

Sincerely,

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

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**From:** DUNCAN Leslie E (AREVA NP INC)  
**Sent:** Friday, January 29, 2010 6:10 PM  
**To:** 'Tesfaye, Getachew'  
**Cc:** BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); PANNELL George L (AREVA NP INC)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 322, FSAR Ch. 18, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 4 of the 6 questions of RAI No. 322 on December 17, 2009. AREVA NP submitted Supplement 1 to the response on January 15, 2010 to address 1 of the remaining 2 questions. The attached file, "RAI 322 Supplement 2 Response US EPR DC.pdf" provides a technically correct and complete response to the remaining 1 question, as committed.

The following table indicates the respective pages in the response document, "RAI 322 Supplement 2 Response US EPR DC.pdf" that contain AREVA NP's responses to the subject question.

Question #	Start Page	End Page
RAI 322 — 18-48	2	3

This concludes the formal AREVA NP response to RAI 322, and there are no questions from this RAI for which AREVA NP has not provided responses.

Sincerely,

Les Duncan  
 Licensing Engineer  
**AREVA NP Inc.**  
 An AREVA and Siemens Company  
 Tel: (434) 832-2849  
[Leslie.Duncan@areva.com](mailto:Leslie.Duncan@areva.com)

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**From:** Pederson Ronda M (AREVA NP INC)  
**Sent:** Friday, January 15, 2010 5:24 PM  
**To:** 'Tefaye, Getachew'  
**Cc:** BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); PANNELL George L (AREVA NP INC); DUNCAN Leslie E (AREVA NP INC)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 322, FSAR Ch. 18, Supplement 1

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 322 Supplement 1 Response US EPR DC.pdf" provides technically correct and complete responses to the 1 of the 6 questions, which completes responses to 5 of the 6 questions in RAI 322.

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 322 Supplement 1, Question 18-52.

The following table indicates the respective pages in the response document, "RAI 322 Supplement 1, Response US EPR DC.pdf" that contain AREVA NP's responses to the subject questions.

Question #	Start Page	End Page
RAI 322 — 18-52	2	2

A complete answer is not provided for the one remaining question. The schedule for technically correct and complete response to this question is unchanged as provided below.

Question #	Response Date
RAI 322 — 18-48	January 29, 2010

Sincerely,

*Ronda Pederson*

[ronda.pederson@areva.com](mailto:ronda.pederson@areva.com)

Licensing Manager, U.S. EPR Design Certification

**AREVA NP Inc.**

An AREVA and Siemens company

3315 Old Forest Road

Lynchburg, VA 24506-0935

Phone: 434-832-3694

Cell: 434-841-8788

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**From:** WELLS Russell D (AREVA NP INC)

**Sent:** Thursday, December 17, 2009 6:35 PM

**To:** 'Getachew Tesfaye'

**Cc:** Pederson Ronda M (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 322, FSAR Ch 18

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 322 Response US EPR DC.pdf" provides technically correct and complete responses to 4 of the 6 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 322 Questions 18-49 and 18-50.

The following table indicates the respective pages in the response document, "RAI 322 Response US EPR DC.pdf" that contain AREVA NP's responses to the subject questions

Question #	Start Page	End Page
RAI 322 — 18-47	2	3
RAI 322 — 18-48	4	4
RAI 322 — 18-49	5	5
RAI 322 — 18-50	6	6
RAI 322 — 18-51	7	7
RAI 322 — 18-52	8	8

A complete answer is not provided for 2 questions. The schedule for technically correct and complete responses to these questions is provided below.

Question #	Response Date
RAI 322 — 18-48	January 29, 2010
RAI 322 — 18-52	January 18, 2010

Sincerely,

(Russ Wells on behalf of)

*Ronda Pederson*

[ronda.pederson@areva.com](mailto:ronda.pederson@areva.com)

Licensing Manager, U.S. EPR Design Certification

New Plants Deployment

**AREVA NP, Inc.**

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Phone: 434-832-3694

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

**Sent:** Tuesday, November 17, 2009 4:05 PM

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

**Cc:** Walker, Jacqwan; Keefe, Molly; Marble, Julie; Bongarra, James; Pieringer, Paul; Junge, Michael; Steckel, James; Colaccino, Joseph; ArevaEPRDCPEm Resource

**Subject:** U.S. EPR Design Certification Application RAI No. 322 (3922, 3907),FSAR Ch. 18

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on October 30, 2009, and on November 17, 2009, 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:** 1318

**Mail Envelope Properties** (BC417D9255991046A37DD56CF597DB7105DEF785)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 322, FSAR Ch. 18, Supplement 5  
**Sent Date:** 4/16/2010 4:47:55 PM  
**Received Date:** 4/16/2010 4:48:00 PM  
**From:** BRYAN Martin (EXT)

**Created By:** Martin.Bryan.ext@areva.com

**Recipients:**

"DELANO Karen V (AREVA NP INC)" <Karen.Delano@areva.com>

Tracking Status: None

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Tracking Status: None

"BENNETT Kathy A (OFR) (AREVA NP INC)" <Kathy.Bennett@areva.com>

Tracking Status: None

"PANNELL George L (AREVA NP INC)" <George.Pannell@areva.com>

Tracking Status: None

"BUDZIK Dennis M (AREVA NP INC)" <Dennis.Budzik@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	9822	4/16/2010 4:48:00 PM

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**