

ArevaEPRDCPEm Resource

From: Pederson Ronda M (AREVA NP INC) [Ronda.Pederson@areva.com]
Sent: Wednesday, April 29, 2009 7:04 PM
To: Getachew Tesfaye
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. 171, FSAR Ch 18, Supplement 3
Attachments: RAI 171 Supplement 3 Response US EPR DC.pdf

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule indicating when the documents requested in RAI No. 171 would be provided on February 13, 2009. RAI No. 171, Supplement 3 is submitted via AREVA NP Inc. letter, "Response to U.S. EPR Design Certification Application RAI No. 171, Supplement 3 " NRC 09:047, dated April 29, 2009.

This response provides 1 of the 10 requested documents for a total to date of 9 with this submittal. AREVA NP considers the one document submitted as a result of this response to be **proprietary** in its entirety; therefore, a public version is not submitted. As required by 10 CFR 2.390(b), an affidavit is enclosed to support the withholding of the information from public disclosure.

The following table indicates the respective page in the response document, "RAI 171 Supplement 3 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 171 — 18-34	2	2

The schedule for submitting the remaining requested AREVA NP document is unchanged and provided below:

Document	Commitment Date
Function Analysis and Allocation Implementation Plan #118-9018214-001	5/13/2009

Sincerely,

Ronda Pederson

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

From: WELLS Russell D (AREVA NP INC)

Sent: Friday, April 17, 2009 1:03 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. 171, FSAR Ch 18, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule indicating when the documents requested in RAI No. 171 would be provided on February 13, 2009. AREVA NP provided 4 of the 10 documents on March 13, 2009. Four of the remaining 6 documents requested in RAI No. 171 were submitted, as committed, via AREVA NP letter NRC 09:031, "Response to U.S. EPR Design Certification Application RAI No. 171, Supplement 2," dated April 17, 2009.

AREVA NP considers the four documents submitted via AREVA NP letter NRC 09:031 to be **proprietary** in their entirety; therefore, non-proprietary versions are not submitted. As required by 10 CFR 2.390(b), an affidavit was submitted to support the withholding of the information from public disclosure.

The following table indicates the respective pages in the response document, "RAI 171 Supplement 2 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 171 — 18-34	2	2

The schedule for submitting the remaining requested AREVA NP documents is unchanged as shown below:

Document	Commitment Date
Implementation Plan for the Integration of HRA into the HFE Program #118-9038835-001	4/29/2009
Function Analysis and Allocation Implementation Plan #118-9018214-001	5/13/2009

Sincerely,

(Russ Wells on behalf of)

Ronda Pederson

ronda.pederson@areva.com

Licensing Manager, U.S. EPR Design Certification

New Plants Deployment

AREVA NP, Inc.

An AREVA and Siemens company

3315 Old Forest Road

Lynchburg, VA 24506-0935

Phone: 434-832-3694

Cell: 434-841-8788

From: Pederson Ronda M (AREVA NP INC)

Sent: Friday, March 13, 2009 4:53 PM

To: 'Getachew Tesfaye'

Cc: PANNELL George L (AREVA NP INC); DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC)

Subject: Response to U.S. EPR Design Certification Application RAI No. 171, Supplement 1

Getachew,

AREVA NP Inc. (AREVA NP) provided a schedule indicating when the documents requested in RAI No. 171 would be provided on February 13, 2009. RAI No. 174, Supplement 1 is submitted via AREVA NP Inc. letter, "Response to U.S. EPR Design Certification Application RAI No. 171, Supplement 1 " NRC 09:019, dated March 13, 2009.

This response provides 4 of the 10 requested documents. AREVA NP considers the four documents submitted in support of this response to be **proprietary** in their entirety; therefore, non-proprietary versions are not submitted. As required by 10 CFR 2.390(b), an affidavit is enclosed to support the withholding of the information from public disclosure.

The following table indicates the page in the response document that contains AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 171 — 18-34	2	2

The schedule for submitting the remaining requested AREVA NP documents in support of RAI No. 171, Question 18-34 has been changed and is as follows:

Document	Commitment Date
Inheritance Implementation Plan (document number to be determined)	4/22/2009
Verification & Validation Implementation Plan #118-9046087-000	4/22/2009
Implementation Plan for the Integration of HRA into the HFE Program #118-9038835-001	4/29/2009
Operating Experience Review Implementation Plan #118-9023868-001	4/22/2009
Function Analysis and Allocation Implementation Plan #118-9018214-001	5/13/2009
Concept of Operations for the U.S. EPR Control Room # 117-9039988-001	4/22/2009

Sincerely,

Ronda Pederson

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

From: Pederson Ronda M (AREVA NP INC)

Sent: Friday, February 13, 2009 5:21 PM

To: 'Getachew Tesfaye'

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. 171 (1879), FSARCh. 18

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 171 Response US EPR DC.pdf" provides a schedule since the requested documents cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 171 Response US EPR DC.pdf," that contain AREVA NP's schedule for response to the subject question.

Question #	Start Page	End Page
RAI 171 — 18-34	1	2

The schedule for providing the requested AREVA NP documents is shown in the table below.

Document Number	Commitment Date
Inheritance Implementation Plan	4/22/2009
HSI Design Implementation Plan	3/13/2009
HFE Design Implementation Plan	3/13/2009
Verification & Validation Implementation Plan	4/22/2009
Implementation Plan for the Integration of HRA into the HFE Program	3/13/2009
Human Performance Monitoring Implementation Plan	3/13/2009
Operating Experience Review Implementation Plan	4/22/2009
Function analysis and allocation Implementation Plan	5/13/2009
Initial Staffing Assumptions for the U.S. EPR	3/13/2009
Concept of Operations for the US EPR Control Room	4/22/2009

Sincerely,

Ronda Pederson

ronda.pederson@areva.com

Licensing Manager, U.S. EPR Design Certification

AREVA NP Inc.

An AREVA and Siemens company

3315 Old Forest Road

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Phone: 434-832-3694

Cell: 434-841-8788

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

Sent: Wednesday, January 14, 2009 9:38 AM

To: ZZ-DL-A-USEPR-DL

Cc: Molly Keefe; Michael Junge; James Steckel; Joseph Colaccino; Michael Miernicki; ArevaEPRDCPEm Resource

Subject: U.S. EPR Design Certification Application RAI No. 171 (1879), FSARCh. 18

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on January 9, 2009, and on January 13, 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: 439

Mail Envelope Properties (5CEC4184E98FFE49A383961FAD402D31DFF709)

Subject: Response to U.S. EPR Design Certification Application RAI No. 171, FSAR Ch
18, Supplement 3
Sent Date: 4/29/2009 7:04:26 PM
Received Date: 4/29/2009 7:04:28 PM
From: Pederson Ronda M (AREVA NP INC)

Created By: Ronda.Pederson@areva.com

Recipients:

"BENNETT Kathy A (OFR) (AREVA NP INC)" <Kathy.Bennett@areva.com>
Tracking Status: None
"DELANO Karen V (AREVA NP INC)" <Karen.Delano@areva.com>
Tracking Status: None
"PANNELL George L (AREVA NP INC)" <George.Pannell@areva.com>
Tracking Status: None
"Getachew Tesfaye" <Getachew.Tesfaye@nrc.gov>
Tracking Status: None

Post Office: AUSLYNCMX02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	8936	4/29/2009 7:04:28 PM
RAI 171 Supplement 3 Response US EPR DC.pdf		60237

Options

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

Response to
Request for Additional Information No. 171, Supplement 3

1/14/2009

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 18 - Human Factors Engineering
Application Section: All

QUESTIONS for Operating Licensing and Human Performance Branch
(AP1000/EPR Projects) (COLP)

Question 18-34:

Information used as a basis for verifying implementation of NUREG-0711 criteria for the Human Factors Engineering Program must be docketed. It is the basis for the staff's conclusion on reasonable assurance of safety. As discussed in the 12/18/08 audit with AREVA, please provide the latest revisions of the following documents:

1. Inheritance Implementation Plan (upon completion)
2. HSI Design Implementation Plan #118-9042375-001
3. HFE Design Implementation Plan #118-9047891-000
4. Verification & Validation Implementation Plan #118-9046087-000
5. U.S. EPR Implementation Plan for the Integration of Human Reliability Analysis (HRA) into the Human Factors Engineering (HFE) Program #118-9038835-001
6. Human Performance Monitoring Implementation Plan #118-9051755-001
7. Operating Experience Review Implementation Plan #118-9023868-001
8. Function analysis and allocation Implementation Plan #118-9018214-001
9. Initial Staffing Assumptions for the U.S. EPR #117-9015723-001
10. Concept of Operations for the US EPR Control Room #118-9023868-001

Response to Question 18-34:

Enclosed is the following document:

Document No.	Title
118-9038835-002	U.S. EPR Implementation Plan for the Integration of Human Reliability Analysis (HRA) with the Human Factors Engineering (HFE) Program

FSAR Impact:

The U.S. EPR FSAR will not be changed as a result of this question.