

ArevaEPRDCPEm Resource

From: Pederson Ronda M (AREVA NP INC) [Ronda.Pederson@areva.com]
Sent: Tuesday, September 01, 2009 6:17 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); NOXON David B (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 138, Supplement 2
Attachments: RAI 138 Supplement 2 Response US EPR DC.pdf

Getachew,

AREVA NP Inc. provided responses to 14 of the 15 questions of RAI No. 138, with a schedule for the remaining question, on December 19, 2008. Supplement 1 response to RAI No. 138 was sent February 11, 2009 to address the one remaining question.

The attached file, "RAI 138 Supplement 2 Response US EPR DC.pdf" provides a supplemental response to RAI 138 Question 19-247.

The following table provides the pages in the attached file, "RAI 138 Supplement 2 Response US EPR DC.pdf" containing the response to RAI 138 question 19-247.

Question #	Start Page	End Page
RAI 138 — 19-247	2	2

This concludes the formal AREVA NP response to RAI 138; there are no questions from this RAI for which AREVA NP has not provided responses.

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: Wednesday, February 11, 2009 4:59 PM
To: 'Getachew Tesfaye'
Cc: NOXON David B (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. 138, Supplement 1

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 14 of the 15 questions of RAI No. 138, with a schedule for the remaining question, on December 19, 2008.

The attached file, "RAI 138 Supplement 1 Response US EPR DC.pdf" provides a technically correct and complete response to the remaining question, as committed. Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response.

The following table indicates the pages in the response document, "RAI 138 Supplement 1 Response US EPR DC.pdf" that contain AREVA NP's response to RAI 138 Question 19-249.

Question #	Start Page	End Page
RAI 138 — 19-249	2	6

This concludes the formal AREVA NP response to RAI 138 and there are no questions from this RAI for which AREVA NP has not provided responses.

Sincerely,

Ronda Pederson

ronda.pederson@areva.com

Licensing Manager, U.S. EPR Design Certification

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3315 Old Forest Road

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From: WELLS Russell D (AREVA NP INC)

Sent: Friday, December 19, 2008 3:06 PM

To: 'Getachew Tesfaye'

Cc: Pederson Ronda M (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); SLIVA Dana (EXT); 'John Rycyna'

Subject: Response to U.S. EPR Design Certification Application RAI No. 138, FSAR Ch 19

Getachew,

The proprietary and non-proprietary versions of the response to RAI No. 138 are submitted via AREVA NP Inc. letter, "Response to U.S. EPR Design Certification Application RAI No. 138," NRC 08:104, dated December 19, 2008. The enclosure to that letter provides technically correct and complete responses to 14 of the 15 questions in RAI No. 138. An affidavit to support withholding of information from public disclosure, per 10CFR2.390(b), is provided as an enclosure to that letter.

The schedule for technically correct and complete responses to the remaining RAI No. 138 question, is provided below and remains unchanged.

Question #	Response Date
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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.

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

Sent: Wednesday, November 19, 2008 12:37 PM

To: ZZ-DL-A-USEPR-DL

Cc: Theresa Clark; Hanh Phan; Edward Fuller; Lynn Mrowca; John Rycyna; Joseph Colaccino

Subject: U.S. EPR Design Certification Application RAI No. 138 (1598), FSARCh. 19

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on November 6, 2008, and discussed with your staff on November 13, 2008. Draft RAI Question 19-248 was modified as a result of that discussion. 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: 785

Mail Envelope Properties (5CEC4184E98FFE49A383961FAD402D3101316EBF)

Subject: Response to U.S. EPR Design Certification Application RAI No. 138,
Supplement 2
Sent Date: 9/1/2009 6:16:33 PM
Received Date: 9/1/2009 6:16:36 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

"NOXON David B (AREVA NP INC)" <David.Noxon@areva.com>

Tracking Status: None

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

Tracking Status: None

Post Office: AUSLYNCMX02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	5188	9/1/2009 6:16:36 PM
RAI 138 Supplement 2 Response US EPR DC.pdf		57506

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Response to

Request for Additional Information No. 138, Supplement 2

11/19/2008

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 19 - Probabilistic Risk Assessment and Severe Accident Evaluation

Application Section: 19

**QUESTIONS for PRA Licensing, Operations Support and Maintenance Branch 1
(AP1000/EPR Projects) (SPLA)**

Question 19-247:

(Follow-up to Question 19-164) The response to Question 19-164 indicates that either the Common 1b or 2b headers of the component cooling water system (CCWS) can provide thermal barrier cooling to all four reactor coolant pump (RCP) seals, but the probabilistic risk assessment (PRA) model assumes that common header 1b cools the thermal barriers of RCPs 1 and 2 and common header 2b cools the thermal barriers of RCPs 3 and 4. This discrepancy is not included in the list of design changes in section 19.1.2.4 of the Final Safety Analysis Report (FSAR). Evaluate the impact of this design change on the PRA results and insights and revise the FSAR accordingly, including addition of the design change to the list in section 19.1.2.4.

Response to Question 19-247:

The response to RAI 257, Supplement 1, Question 19-316, Item I, provides an updated Table 19-247-1 (see RAI 257, Question 19-316, Table 19-316I-1). This updated table supersedes the Table 19-247-1 provided in the initial response, and provides updated values for those numbers mentioned in the initial response.

FSAR Impact

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