

ArevaEPRDCPEm Resource

From: Pederson Ronda M (AREVA NP INC) [Ronda.Pederson@areva.com]
Sent: Tuesday, July 14, 2009 6:28 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); WILLIFORD Dennis C (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 250, FSARCh. 9
Attachments: RAI 250 Response US EPR DC.pdf

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 250 Response US EPR DC.pdf" provides a schedule since a technically correct and complete response to the single question is not provided.

The following table indicates the page in the response document, "RAI 250 Response US EPR DC.pdf," that contains AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 250 — 09.01.01-21	2	2

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

Question #	Response Date
RAI 250 — 09.01.01-21	August 6, 2009

Sincerely,

Ronda Pederson

ronda.pederson@areva.com

Licensing Manager, U.S. EPR Design Certification

AREVA NP Inc.

An AREVA and Siemens company

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

Sent: Tuesday, June 23, 2009 8:26 PM

To: ZZ-DL-A-USEPR-DL

Cc: Patel, Amrit; Lu, Shanlai; Donoghue, Joseph; Carneal, Jason; Colaccino, Joseph; ArevaEPRDCPEm Resource

Subject: U.S. EPR Design Certification Application RAI No. 250 (2768), FSARCh. 9

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on May 18, 2009, and on June 23, 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: 660

Mail Envelope Properties (5CEC4184E98FFE49A383961FAD402D310110F3B1)

Subject: Response to U.S. EPR Design Certification Application RAI No. 250, FSARCh. 9
Sent Date: 7/14/2009 6:27:30 PM
Received Date: 7/14/2009 6:27:32 PM
From: Pederson Ronda M (AREVA NP INC)

Created By: Ronda.Pederson@areva.com

Recipients:

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Tracking Status: None
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Tracking Status: None
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Tracking Status: None

Post Office: AUSLYNCMX02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	2144	7/14/2009 6:27:32 PM
RAI 250 Response US EPR DC.pdf		57646

Options

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

Response to

Request for Additional Information No. 250

6/23/2009

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

**SRP Section: 09.01.01 - Criticality Safety of Fresh and Spent Fuel Storage and
Handling**

Application Section: FSAR Ch. 9

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

Question 09.01.01-21:

Follow-up RAI to RAI No. 196 Questions.

Unistar Topical Report UN-08-001, "Spent Fuel Analysis" states that k_{eff} is calculated using MCNP4a based on a minimum of 50 skipped cycles before averaging, and also a minimum of 100 active cycles. In Attachment 2 to Holtec Letter 1721002 (Sample MCNP Input Decks for Region 1 and Region 2 Analyses), these minimum parameters are used. Justify the conclusion that these minimum values are appropriate for ensuring accurate k_{eff} estimation. More specifically, demonstrate that the final estimated k_{eff} is unaffected by increasing the number of skipped and active cycles. Include in the response justification for assuming the source has adequately converged before active cycles begin.

Response to Question 09.01.01-21:

A response to this question will be provided by August 6, 2009.