

ArevaEPRDCPEm Resource

From: Pederson Ronda M (AREVA NP INC) [Ronda.Pederson@areva.com]
Sent: Monday, September 28, 2009 6:00 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); GUCWA Len T (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 271, FSARCh. 16
Attachments: RAI 271 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 271 Response US EPR DC.pdf," provides a schedule since a technically correct and complete response to the 1 question is not provided.

The following table indicates the respective page in the response document, "RAI 271 Response US EPR DC.pdf," that contains AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 271 — 16-293	2	2

A complete answer is not provided for the 1 question. The schedule for a technically correct and complete response to this question is provided below.

Question #	Response Date
RAI 271 — 16-293	October 27, 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: Thursday, August 27, 2009 3:00 PM
To: ZZ-DL-A-USEPR-DL
Cc: Le, Hien; Liang, Chu-Yu; Tjader, Theodore; Kowal, Mark; Hearn, Peter; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 271 (3470), FSARCh. 16

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on August 6, 2009, and discussed with your staff on August 26, 2009. No changes were made to the draft RAI questions 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: 840

Mail Envelope Properties (5CEC4184E98FFE49A383961FAD402D3101437D8E)

Subject: Response to U.S. EPR Design Certification Application RAI No. 271, FSARCh.
16
Sent Date: 9/28/2009 6:00:11 PM
Received Date: 9/28/2009 6:00:14 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

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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	2201	9/28/2009 6:00:14 PM
RAI 271 Response US EPR DC.pdf		60332

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Response to

Request for Additional Information No. 271 (3470), Revision 0

8/27/2009

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 16 - Technical Specifications

Application Section: SRP 16.0

QUESTIONS for Technical Specification Branch (CTSB)

Question 16-293:

TS 3.4.9, Pressurizer.

Provide assessment and confirm that the LCO values specified in the proposed Technical Specifications are consistent with the initial conditions assumed in the safety analyses for the design basis events. This will assure that the DBEs are postulated to occur during all modes of plant operation and are bounded by safety analyses documented in FSAR Chapter 15, thus meeting the requirements of 10 CFR 50.36.

It is noted that in FSAR Chapter 16, the proposed Technical Specification 3.4.9 allows the pressurizer water level go up to 75%. However, the initial conditions of the pressurizer water level assumed in heat-up transients in FSAR Section 15.2 are 59%. When the heat-up transient initiated at the pressurizer water level between 59% and 75%, the pressurizer may become solid with liquid relief through the safety relief valves. This could resulted in stuck open safety relieve valves (SBLOCA). Discuss the adequacy of the TS restrictions with respect to safety analyses and demonstrate that the TS value in Chapter 16 meet the requirements of 10 CFR 50.36.

Response to Question 16-293:

A response to this question will be provided by October 27, 2009.