

ArevaEPRDCPEm Resource

From: BRYAN Martin (EXT) [Martin.Bryan.ext@areva.com]
Sent: Friday, February 26, 2010 2:25 PM
To: Tesfaye, Getachew
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); WILLIFORD Dennis C (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 274, FSARCh. 2
Attachments: RAI 274 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 274 Response US EPR DC.pdf" provides a schedule since a technically correct and complete response to the question is not provided.

The following table indicates the respective pages in the response document, "RAI 274 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 274 — 02-1	2	3

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

Question #	Response Date
RAI 274 — 02-1	April 2, 2010

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

From: Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]
Sent: Friday, August 21, 2009 2:34 PM
To: ZZ-DL-A-USEPR-DL
Cc: Harvey, Brad; Patel, Jay; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 274 (3521), FSARCh. 2

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on August 12, 2009, and on August 20, 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 question in this RAI is considered a potential open item for Phases 2 and 3 reviews. As such, the schedule we have established for your application assumes technically correct and complete responses prior to the start of Phase 4 review. If RAI cannot be answered prior to the start of Phase 4 review, it is expected that a date for receipt of this information will be provided 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: 1180

Mail Envelope Properties (BC417D9255991046A37DD56CF597DB710565DED0)

Subject: Response to U.S. EPR Design Certification Application RAI No. 274, FSARCh. 2
Sent Date: 2/26/2010 2:24:37 PM
Received Date: 2/26/2010 2:24:40 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

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

Tracking Status: None

"ROMINE Judy (AREVA NP INC)" <Judy.Romine@areva.com>

Tracking Status: None

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Tracking Status: None

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

Tracking Status: None

Post Office: AUSLYNCMX02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	2046	2/26/2010 2:24:40 PM
RAI 274 Response US EPR DC.pdf		71580

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Response to

Request for Additional Information No. 274(3521), Revision 1

8/21/2009

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 02 - Site Characteristics and Site Parameters

Application Section: FSAR Tier 2, Chapter 2

QUESTIONS for EPR Projects Branch (NARP)

Question 02-1:**POTENTIAL OPEN ITEM**

Staff requests the applicant clarify the use of terms “site characteristics” and “site parameters” in FSAR Tier 2, Section 2.0, “Site Characteristics”, and COL Information Item 2.0-1 in FSAR Tier 1, Table 1.8-2, “U.S. EPR Combined License Information Items”. 10 CFR 52.1 (a) provides the following definitions:

Site parameters are the postulated physical, environmental and demographic features of an assumed site. Site parameters are specified in a standard design approval, standard design certification, or manufacturing license.

Site characteristics are the actual physical, environmental and demographic features of a site. Site characteristics are specified in an early site permit or in a final safety analysis report for a combined license.

The staff requests the applicant consider rephrasing FSAR Tier 2, Section 2.0, “Site Characteristics,” as follows:

The U.S. EPR standard design is based on a set of conservatively established site ~~characteristics parameters~~. These ~~characteristics parameters~~ represent more demanding site conditions than normally expected for most U.S. nuclear power plant sites. These site-related design basis parameters are provided in Table 2.1-1—U.S. EPR Site Design Envelope.

A COL applicant that references the U.S. EPR design certification will compare site-specific data to the design parameter data in Table 2.1-1. If the specific data for the site falls within the assumed design parameter data ~~and characteristics~~ in Table 2.1-1, then the U.S. EPR standard design is bounding for the site. For site-specific ~~design parameter data or~~ characteristics that are outside the bounds of the assumptions presented in Table 2.1-1, the COL applicant will confirm that the U.S. EPR design acceptably meets any additional requirements that may be imposed by the more limiting site-specific ~~design parameter data or~~ characteristic, and that the design maintains conformance to the design commitments and acceptance criteria described in this FSAR.

The staff also requests the applicant consider rephrasing COL Information Item 2.0-1 in FSAR Tier 1, Table 1.8-2, “U.S. EPR Combined License Information Items,” as follows:

A COL applicant that references the U.S. EPR design certification will compare site-specific data to the design parameter data in Table 2.1-1. If the specific data for the site falls within the assumed design parameter data ~~and characteristics~~ in Table 2.1-1, then the U.S. EPR standard design is bounding for the site. For site-specific ~~design parameter data or~~ characteristics that are outside the bounds of the assumptions presented in Table 2.1-1, the COL applicant will confirm that the U.S. EPR design acceptably meets any additional requirements that may be imposed by the more limiting site-specific ~~design parameter data or~~ characteristic, and that the design maintains conformance to the design commitments and acceptance criteria described in this FSAR.

The staff also requests the applicant consider rephrasing the title of FSAR Tier 2, Section 2.0 to “Site **Parameters**”(including all other applicable sections where Section 2.0 is mentioned).

Response to Question 02-1:

A response to this question will be provided by April 2, 2010.