

ArevaEPRDCPEm Resource

From: WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]
Sent: Monday, October 22, 2012 4:10 PM
To: Snyder, Amy
Cc: BENNETT Kathy (AREVA); DELANO Karen (AREVA); LEIGHLITER John (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); Hearn, Peter; KOWALSKI David (AREVA)
Subject: Response to U.S. EPR Design Certification Application RAI No. 556 (6547), FSAR Ch. 9
Attachments: RAI 556 Response US EPR DC.pdf

Amy,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 556 Response US EPR DC.pdf," provides a schedule since a technically correct and complete response to Question 09.03.04-27 cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 556 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 556 — 09.03.04-27	2	2

The schedule for a technically correct and complete response to Question 09.03.04-27 is provided below.

Question #	Response Date
RAI 556 — 09.03.04-27	March 8, 2013

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.

7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: Tesfaye, Getachew [<mailto:Getachew.Tesfaye@nrc.gov>]
Sent: Thursday, September 20, 2012 7:18 AM
To: ZZ-DL-A-USEPR-DL
Cc: Sastre, Eduardo; Terao, David; Hearn, Peter; Segala, John; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 556 (6547), FSAR Ch. 9

Attached please find the subject request for additional information (RAI). A draft of the RAI was provided to you on August 20, 2012, and on September 19, 2012, you informed us that the RAI is clear and no further clarification is needed. As 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: 4078

Mail Envelope Properties (2FBE1051AEB2E748A0F98DF9EEE5A5D4E71967)

Subject: Response to U.S. EPR Design Certification Application RAI No. 556 (6547),
FSAR Ch. 9
Sent Date: 10/22/2012 4:09:54 PM
Received Date: 10/22/2012 4:10:49 PM
From: WILLIFORD Dennis (AREVA)

Created By: Dennis.Williford@areva.com

Recipients:

"BENNETT Kathy (AREVA)" <Kathy.Bennett@areva.com>
Tracking Status: None
"DELANO Karen (AREVA)" <Karen.Delano@areva.com>
Tracking Status: None
"LEIGHLITER John (AREVA)" <John.Leighliter@areva.com>
Tracking Status: None
"ROMINE Judy (AREVA)" <Judy.Romine@areva.com>
Tracking Status: None
"RYAN Tom (AREVA)" <Tom.Ryan@areva.com>
Tracking Status: None
"Hearn, Peter" <Peter.Hearn@nrc.gov>
Tracking Status: None
"KOWALSKI David (AREVA)" <David.Kowalski@areva.com>
Tracking Status: None
"Snyder, Amy" <Amy.Snyder@nrc.gov>
Tracking Status: None

Post Office: auscharm02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	2128	10/22/2012 4:10:49 PM
RAI 556 Response US EPR DC.pdf		68201

Options

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

Response to

Request for Additional Information 556 (6547), Revision 0

Issue Date: 9/20/2012

**Application Title: U. S. EPR Standard Design Certification - Docket Number 52-020
AREVA NP Inc.**

**Review Section: 09.03.04 - Chemical and Volume Control System (PWR)
(Including Boron Recovery System)**

Application Section: 9.3.4

Question 09.03.04-27:

OPEN ITEM

Follow-up to RAI 492, Question 09.03.04-21

In RAI 492 (5815) supplement 7, Question 09.03.04-21 the Staff requested the applicant to provide a more rigorous technical evaluation of the hydrogen control range that demonstrates the acceptability of maintaining the RCS hydrogen below the EPRI Guidelines Action Level 1 limit. In their response to this RAI, the applicant referenced three documents to demonstrate their argument. After reviewing these documents, the staff finds that the documents do not provide any technical justification for operation in the range of 17-28 cc/kg in the RCS.

The applicant's proposed hydrogen range needs to be justified by corrosion data, or significant plant experience at the current power levels and temperatures at which the > 1,000 MWe plants are currently operating.

The Staff requests the applicant to provide specific and relevant information to justify this change in practice.

Response to Question 09.03.04-27:

A response to this question will be provided by March 8, 2013.