

ArevaEPRDCPEm Resource

From: Tesfaye, Getachew
Sent: Monday, December 07, 2009 7:52 PM
To: 'usepr@areva.com'
Cc: Davis, Robert; Terao, David; Carneal, Jason; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: Draft - U.S. EPR Design Certification Application RAI No. 343 (4119), FSAR Ch. 4 OPEN ITEM
Attachments: Draft RAI_343_CIB1_4119.doc

Attached please find draft RAI No. 343 regarding your application for standard design certification of the U.S. EPR. If you have any question or need clarifications regarding this RAI, please let me know as soon as possible, I will have our technical Staff available to discuss them with you.

Please also review the RAI to ensure that we have not inadvertently included proprietary information. If there are any proprietary information, please let me know within the next ten days. If I do not hear from you within the next ten days, I will assume there are none and will make the draft RAI publicly available.

Thanks,
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Hearing Identifier: AREVA_EPR_DC_RAIs
Email Number: 1013

Mail Envelope Properties (0A64B42AAA8FD4418CE1EB5240A6FED10818D2F1CF)

Subject: Draft - U.S. EPR Design Certification Application RAI No. 343 (4119), FSAR Ch.
4 OPEN ITEM
Sent Date: 12/7/2009 7:51:38 PM
Received Date: 12/7/2009 7:51:39 PM
From: Tesfaye, Getachew

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Files	Size	Date & Time
MESSAGE	721	12/7/2009 7:51:39 PM
Draft RAI_343_CIB1_4119.doc	28666	

Options

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

Draft

Request for Additional Information No. 343 (4119), Revision 0

12/7/2009

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 04.05.01 - Control Rod Drive Structural Materials

Application Section: 4.5.1

QUESTIONS for Component Integrity, Performance, and Testing Branch 1 (AP1000/EPR Projects)
(CIB1)

04.05.01-6

OPEN ITEM

Figure 05.02.03-12-1 in RAI response 05.02.03-12, dated November 10, 2008, indicates that F347 material will be used to fabricate part of the CRDM pressure housing. However, Table 5.2-2 does not list a forging specification for Grade 347 material. The staff requests that the applicant modify FSAR Table 5.2-2 to list material specifications and grades for all CRDM pressure boundary components

04.05.01-7

OPEN ITEM

The staff requested, in RAI 88 Question 05.02.03-1, that the applicant delete SA-479 UNS S41500 from Table 5.2-2 for use in the CRDM pressure housing, provide an alternative material or take the appropriate steps to have SA-479 UNS S41500 included in Table 2A by ASME Code, Section III. The applicant responded, by letter dated November 10, 2008, and stated that it has submitted a request to ASME Code to extend the properties currently provided in Section II Part D for SA-182 Grade F6NM (UNS S41500) to SA-479 (UNS S41500) material. The applicant stated that it expects the Code Case to be issued in the near future. The staff requests that the applicant notify the NRC staff when ASME Code has approved the code case requested by the applicant.