

ArevaEPRDCPEm Resource

From: Tesfaye, Getachew
Sent: Tuesday, October 11, 2011 6:22 PM
To: 'usepr@areva.com'
Cc: McCann, Edward; Dreisbach, Jason; Segala, John; Lee, Samuel; Clark, Phyllis; Hearn, Peter; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 517 (6052), FSAR Ch. 9
Attachments: RAI_517_SBPA_6052.doc

Attached please find the subject request for additional information (RAI). A draft of the RAI was provided to you on October 1, 2011, and on October 11, 2011, 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: 3461

Mail Envelope Properties (0A64B42AAA8FD4418CE1EB5240A6FED14A91C7DD28)

Subject: U.S. EPR Design Certification Application RAI No. 517 (6052), FSAR Ch. 9
Sent Date: 10/11/2011 6:21:46 PM
Received Date: 10/11/2011 6:21:48 PM
From: Tesfaye, Getachew

Created By: Getachew.Tesfaye@nrc.gov

Recipients:

"McCann, Edward" <Edward.McCann@nrc.gov>
Tracking Status: None
"Dreisbach, Jason" <Jason.Dreisbach@nrc.gov>
Tracking Status: None
"Segala, John" <John.Segala@nrc.gov>
Tracking Status: None
"Lee, Samuel" <Samuel.Lee@nrc.gov>
Tracking Status: None
"Clark, Phyllis" <Phyllis.Clark@nrc.gov>
Tracking Status: None
"Hearn, Peter" <Peter.Hearn@nrc.gov>
Tracking Status: None
"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>
Tracking Status: None
"ArevaEPRDCPEm Resource" <ArevaEPRDCPEm.Resource@nrc.gov>
Tracking Status: None
"usepr@areva.com" <usepr@areva.com>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	803	10/11/2011 6:21:48 PM
RAI_517_SBPA_6052.doc	31226	

Options

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

Request for Additional Information No. 517(6052), Revision 0

10/11/2011

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 09.05.01 - Fire Protection Program
Application Section: 9.5.1

QUESTIONS for Balance of Plant Branch 1 (AP1000/EPR Projects) (SBPA)

09.05.01-86

OPEN ITEM

Follow-up to RAI 20, Question 09.05.01-6

The response to RAI 20 Question 09.05.01-6 stated that "NEI 00-01, Rev. 1, "Guidance for Post-Fire Safe Shutdown Circuit Analysis," is the only formal NRC endorsed guideline currently available to the industry that addresses spurious actuations.

Preparation of NEI 00-01, Rev. 2 is in progress and has not yet been finalized or endorsed by the NRC. Until such time it is endorsed by the NRC, utilization of NEI 00-01, Rev. 2 is not considered appropriate. It is also not considered appropriate to independently develop assumptions and guidelines for the design of the U.S. EPR, as those developed may be inconsistent with the final industry/NRC product. It is the intent of the U.S. EPR design to follow the NRC endorsed/issued spurious actuation guidance in effect when the U.S. EPR post-fire safe shutdown analysis is formally initiated."

However RG 1.189 Rev. 2 and NEI 00-01 Rev. 2 have since been issued. RG 1.189 Rev. 2 contains the updated methodology for Post-Fire Safe Shutdown Circuit Analysis including multiple spurious actuations and also endorses certain sections of NEI 00-01 Rev. 2. The applicant should document the use of RG 1.189 Rev. 2 and the endorsed sections of NEI 00-01 Rev.2 in the FSAR for Post-Fire Safe Shutdown Circuit Analysis Methodology.