

ArevaEPRDCPEm Resource

From: Tesfaye, Getachew
Sent: Saturday, October 01, 2011 5:56 PM
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Subject: Draft - U.S. EPR Design Certification Application RAI No. 517 (6052), FSAR Ch. 9
Attachments: Draft RAI_517_SBPA_6052.doc

Attached please find draft RAI No. 517 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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Request for Additional Information No. 517(6052), Revision 0

10/1/2011

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.