

ArevaEPRDCPEm Resource

From: Tesfaye, Getachew
Sent: Friday, October 08, 2010 3:55 PM
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Subject: Draft - U.S. EPR Design Certification Application RAI No. 449 (5104), FSAR Ch. 19 NEW PHASE 4 RAI
Attachments: Draft RAI_449_SEB2_5104.doc

Attached please find draft RAI No. 449 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
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Subject: Draft - U.S. EPR Design Certification Application RAI No. 449 (5104), FSAR Ch.
19 NEW PHASE 4 RAI
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Request for Additional Information No. 449(5104), Revision 1

10/8/2010

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 19 - Probabilistic Risk Assessment and Severe Accident Evaluation

Application Section: 19.2.7

QUESTIONS for Structural Engineering Branch 2 (ESBWR/ABWR Projects) (SEB2)

19-339

OPEN ITEM

AIRCRAFT IMPACT ASSESSMENT

U.S. EPR FSAR, Tier 2, Revision 2, Section 19.2.7.4 identifies design features credited for meeting the acceptance criteria of 10 CFR 50.150(a)(1). The descriptions of the design features are typically provided in other sections of FSAR. Cross-references to respective sections of the FSAR with regards to the description of the credited design features should be provided in Section 19.2.7.4 to assist the staff review. The applicant is requested to include in FSAR Section 19.2.7.4 references to other FSAR sections where the design features credited for meeting the acceptance criteria of 10 CFR 50.150(a)(1) are described. The applicant is also requested to describe in the FSAR how each of the identified design features is used to meet the acceptance criteria of 10 CFR 50.150(a)(1).

19-340

OPEN ITEM

AIRCRAFT IMPACT ASSESSMENT

FSAR, Tier 2, Revision 2, Section 19.2.7.5, under physical damage, indicates that analyses were performed for the containment, safeguard and fuel buildings, and consideration of physical separation and redundant trains. However, it is not clear how these analyses address the protection of all design features as provided in FSAR, Tier 2, Revision 2, Section 19.2.7.4 such as: ECCS, decay heat removal systems, emergency feedwater tanks and emergency core cooling water. The applicant is requested to clarify the above issue and revise the FSAR section as needed.