

ArevaEPRDCPEm Resource

From: Tesfaye, Getachew
Sent: Friday, July 29, 2011 11:07 AM
To: 'usepr@areva.com'
Cc: Eul, Ryan; Lee, Samuel; Segala, John; Clark, Phyllis; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: Draft - U.S. EPR Design Certification Application RAI No. 502 (5960), FSAR Ch. 9
Attachments: Draft RAI_502_SBPB_5960.doc

Attached please find draft RAI No. 502 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. 502(5960) Revision 0

7/29/2011

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 09.02.05 - Ultimate Heat Sink
Application Section: 09.02.05

QUESTIONS for Balance of Plant Branch 2 (SBPB)

09.02.05-37

OPEN ITEM

Follow-up to RAI 351, Question No. 09.02.05-31

Standard Review Plan (SRP) 9.2.5 Section III, paragraph 1 requires confirmation of the overall arrangement of the ultimate heat sink (UHS). The staff reviewed the information provided in Tier 1, Table 2.7.11-3, "Essential Service Water System (ESWS) Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)," to confirm that the proposed ITAAC are adequate for EPR design certification. However, the staff found that some of the proposed ITAAC need further clarification. Based on the staff's review of the applicant's response to RAI 351, Question No. 9.2.5-31, the following were determined as unresolved and needed further clarification/resolution by the applicant:

With regard to applicant's response to parts (e) and (f), the applicant states that part of the ITAAC report will demonstrate "The period of record for the temperature data and the specific worst case periods used in the analysis, together with selection methods and validation techniques for the meteorological data." While the staff agrees with the importance of using and validating the worst case site-specific meteorological conditions, the Tier 1 ITAAC acceptance criteria for ITAAC 7.9 and 7.10 in Table 2.7.11-3 does not specifically state "assuming worst case site-specific meteorological conditions" but instead simply states "assuming the most limited design conditions (including the effects of concentrating impurities on the ESWS)." The ITAAC acceptance criteria should also specifically mention the "worst case (or most limiting) site-specific meteorological conditions" as the applicant described in their response, but did not describe in the actual ITAAC. Therefore, this issue is considered unresolved until the clarity of the ITAAC is corrected to be consistent with the applicant's response.