ArevaEPRDCPEm Resource

From: Tesfaye, Getachew
Sent: Wednesday, April 28, 2010 2:06 PM
To: 'usepr@areva.com'
Cc: Makar, Gregory; Terao, David; Carneal, Jason; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: Draft - U.S. EPR Design Certification Application RAI No. 394 (4663), FSAR Ch. 15
Attachments: Draft RAI_394_CIB1_4663.doc

Attached please find draft RAI No. 394 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,
Getachew Tesfaye
Sr. Project Manager
NRO/DNRL/NARP
(301) 415-3361

Hearing Identifier: AREVA_EPR_DC_RAIs
Email Number: 1357

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Created By: Getachew.Tesfaye@nrc.gov

Recipients:
"Makar, Gregory" <Gregory.Makar@nrc.gov>
Tracking Status: None
"Terao, David" <David.Terao@nrc.gov>
Tracking Status: None
"Carneal, Jason" <Jason.Carneal@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

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Request for Additional Information No. 394(4663), Revision 1

4/28/2010

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 15.00.03 - Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors
Application Section: 15.0

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

15.00.03-37

In an email message dated January 28, 2009 (ML090280312), Areva NP Inc. provided a supplemental response (Supplement 1) to RAI No. 137, Question 15.00.03-33. The response provided tabulated values of the IRWST pH as a function of time over 30 days, as well as the acid quantities on which the pH values are based (Tables 15.00.03-33-1, -2, and -3). The response did not propose any FSAR revisions. The staff determined that the response addressed the technical concerns about the post-LOCA containment sump pH. However, the staff also determined that the tables should be included in U.S. EPR FSAR Section 15.0 to replace and supplement the existing Table 15.0-55 (FSAR Rev. 1). Therefore, please discuss your plans to include in the FSAR the information from Tables 15.00.03-33-1, -2, and -3 of the RAI No. 137 response, and provide the corresponding FSAR proposed revision.

15.00.03-38

In an email message dated January 28, 2009 (ML090280312), Areva NP Inc. provided a supplemental response (Supplement 1) to RAI No. 137, Question 15.00.03-35. The response explains how the applicant will ensure the correct amount of trisodium phosphate (TSP) is stored in containment despite possible variations in purity and density. Please provide a revision to the EPR FSAR (for example, Section 15.0.3.12.3) to explain how the purity and density requirements will be applied to TSP purchase specifications to ensure the volume of stored TSP is adequate to provide the required neutralizing capability.