

ArevaEPRDCPEm Resource

From: Getachew Tesfaye
Sent: Tuesday, April 14, 2009 8:39 AM
To: 'usepr@areva.com'
Cc: Peter Kang; Ronaldo Jenkins; James Steckel; Joseph Colaccino; ArevaEPRDCPEm Resource
Subject: Draft - U.S. EPR Design Certification Application RAI No. 216 (2544, 2542, 2543), FSAR Ch. 8
Attachments: Draft RAI_216_EEB_2544_2542_2543.doc

Attached please find draft RAI No. 216 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

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From: Getachew Tesfaye

Created By: Getachew.Tesfaye@nrc.gov

Recipients:

"Peter Kang" <Peter.Kang@nrc.gov>

Tracking Status: None

"Ronaldo Jenkins" <Ronaldo.Jenkins@nrc.gov>

Tracking Status: None

"James Steckel" <James.Steckel@nrc.gov>

Tracking Status: None

"Joseph Colaccino" <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

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Request for Additional Information No. 216 (2544, 2542, 2543), Revision 0

4/14/2009

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 08.02 - Offsite Power System
SRP Section: 08.03.01 - AC Power Systems (Onsite)
SRP Section: 08.04 - Station Blackout
Application Section: 8.2

QUESTIONS for Electrical Engineering Branch (EEB)

08.02-7

As a followup to RAI 9, Question 08.02-6, the staff believes that the Objective (item 1.1) of loss of offsite load (Test # 221) indicates "To demonstrate that the plant responds and is controlled as designed following a loss of offsite loads." The staff finds the objective not consistent with the intent of the RAI response. Revise the test objective if necessary.

08.03.01-23

As a followup to RAI 11, Question 08.03.01-7 (Page 4 of 38) in connection with Section B.4 of BTP 8-6, the response indicated that the verification test of the analysis is the responsibility of the COL holder. Correct the response from COL holder to COL applicant.

08.03.01-24

As a followup to RAI 9, Question 08.01-3 (Page 8 of 15), degraded grid voltage (DGV) (10.a) and EDG start on loss of offsite power (LOOP) (10.b) will be provided in Chapter 16 (TS) Table 3.3.1-2. The selection of those setpoints (for relays and time delays) is determined from analysis based on the grid voltage requirements of the Class 1E loads and the guidance for the analysis and performance of verification test in Branch Technical Position 8-6. Explain whether the above trip setpoints should be set differently when the alternate feed is established for an EDG's inoperability duration (i.e., 120 days).

08.04-9

Follow up to RAI 11, Question 08.04-4:
Page 8.4-13 (8.4.2.6.4), item 8.4-2 of Table 1.8-2 of the FSAR, indicates "a COL applicant that references the U.S. EPR design certification will address the RG 1.155 position C.3.4 related to procedures and training to cope with SBO." Please indicate whether the subject Table will include C.1.3 (restoring emergency ac power) and C.2 (restoring offsite power) positions to C.3.4 (procedure and training) or provide justification for any exception.