

ArevaEPRDCPEm Resource

From: Tesfaye, Getachew
Sent: Tuesday, September 22, 2009 6:17 PM
To: 'usepr@areva.com'
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Subject: U.S. EPR Design Certification Application RAI No. 295 (3761), FSAR Ch. 12
Attachments: RAI_295_CHPB_3761.doc

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on September 18, 2009, and on September 22, 2009, you informed us that the RAI is clear and no further clarification is needed. As a result, no change is made to the draft RAI. The question in this RAI is considered a potential open item for Phases 2 and 3 reviews. As such, the schedule we have established for your application assumes technically correct and complete responses prior to the start of Phase 4 review. If the RAI cannot be answered prior to the start of Phase 4 review, it is expected that a date for receipt of this information will be provided so that the staff can assess how this information will impact the published schedule.

Thanks,
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Request for Additional Information No. 295 (3761), Revision 1

9/22/2009

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 12.03-12.04 - Radiation Protection Design Features

Application Section: Section 12.3-12.4 Radiation Protection Design Features

QUESTIONS for Health Physics Branch (CHPB)

12.03-12.04-18

POTENTIAL OPEN ITEM

According to RG 1.206, Section C.I.12.4, applicants should provide the calibration methods and frequency for the installed area radiation monitors to demonstrate compliance with 10 CFR 20.1501.

EPR FSAR, Revision 1, Section 12.3.4, Area and Airborne Radioactivity Monitoring Instrumentation, states that "Additional information on instrument calibration is provided as part of the Radiation Protection Program (see Section 12.5)."

1. In response to RAI 150 Question 12.03-12-04-3, the applicant described at a high level the calibration techniques that will be employed for the EPR installed area radiation monitors (ARMs), including that the calibration techniques would be based on the guidance of ANSI 6.8.1. The applicant also stated that ANSI 6.8.1 has been withdrawn. Given that ANSI 6.8.1 has been withdrawn, provide an alternative industry standard or describe the calibration methodology that will be used, including criteria for establishing calibration intervals and set points for installed ARM equipment. Alternatively, add a COL information item to have the COL applicant's provide this information.
2. All EPR COL applicants are referencing NEI 07-03, "Generic FSAR Template Guidance for Radiation Protection Program Description" to address the COL information item in Section 12.5 of the EPR FSAR. NRC staff in RAI 150 Question 12.3-12.04-3 pointed out that the radiation protection program, as described in NEI 07-03, does not provide information on the calibration of fixed area and airborne monitors. Therefore the pointer provided in EPR FSAR, Tier 2, section 12.3.4, to EPR FSAR Section 12.5, "Radiation Protection Program" is misleading. Update the FSAR to remove this pointer and to include information on calibration methodology, including frequency and setpoint determination for installed ARMs.