

## ArevaEPRDCPEm Resource

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**From:** BRYAN Martin (EXT) [Martin.Bryan.ext@areva.com]  
**Sent:** Monday, April 05, 2010 12:28 PM  
**To:** Tesfaye, Getachew  
**Cc:** DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); NOXON David B (AREVA NP INC)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 359 (4259), FSAR Ch. 11 OPEN ITEM  
**Attachments:** RAI 359 Response US EPR DC.pdf

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 359 Response US EPR DC.pdf," provides the schedule for a technically correct and complete response to the one question.

The following table indicates the respective pages in the response document, "RAI 359 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 359 — 11.02-18	2	2

The schedule for technically correct and complete response to this question is provided below.

Question #	Response Date
RAI 359 — 11.02-18	May 7, 2010

Sincerely,

Martin (Marty) C. Bryan  
Licensing Advisory Engineer  
AREVA NP Inc.  
Tel: (434) 832-3016  
[Martin.Bryan@areva.com](mailto:Martin.Bryan@areva.com)

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**From:** Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]  
**Sent:** Monday, March 01, 2010 4:28 PM  
**To:** ZZ-DL-A-USEPR-DL  
**Cc:** Dehmel, Jean-Claude; Roach, Edward; Jennings, Jason; Colaccino, Joseph; ArevaEPRDCPEm Resource  
**Subject:** U.S. EPR Design Certification Application RAI No. 359 (4259), FSAR Ch. 11 OPEN ITEM

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on January 22, 2010, and on March 1, 2010, 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 an OPEN ITEM in the safety evaluation report for Chapter 11 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. For any RAI that 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,  
Getachew Tesfaye

Sr. Project Manager  
NRO/DNRL/NARP  
(301) 415-3361

**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 1287

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**Subject:** Response to U.S. EPR Design Certification Application RAI No. 359 (4259),  
FSAR Ch. 11 OPEN ITEM  
**Sent Date:** 4/5/2010 12:28:18 PM  
**Received Date:** 4/5/2010 12:28:22 PM  
**From:** BRYAN Martin (EXT)

**Created By:** Martin.Bryan.ext@areva.com

**Recipients:**

"DELANO Karen V (AREVA NP INC)" <Karen.Delano@areva.com>

Tracking Status: None

"ROMINE Judy (AREVA NP INC)" <Judy.Romine@areva.com>

Tracking Status: None

"BENNETT Kathy A (OFR) (AREVA NP INC)" <Kathy.Bennett@areva.com>

Tracking Status: None

"NOXON David B (AREVA NP INC)" <David.Noxon@areva.com>

Tracking Status: None

"Tesfaye, Getachew" <Getachew.Tesfaye@nrc.gov>

Tracking Status: None

**Post Office:** AUSLYNCMX02.adom.ad.corp

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MESSAGE	2063	4/5/2010 12:28:22 PM
RAI 359 Response US EPR DC.pdf		13056

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

**Response to**

**Request for Additional Information No. 359 (4259), Revision 1**

**3/1/2010**

**U. S. EPR Standard Design Certification**

**AREVA NP Inc.**

**Docket No. 52-020**

**SRP Section: 11.02 - Liquid Waste Management System**

**Application Section: 11.2.3.8**

**QUESTIONS for Health Physics Branch (CHPB)**

**Question 11.02-18:**

## OPEN ITEM

A review of FSAR Tier 2, Rev. 1, Section 11.2.3.8 indicates that the quality assurance program for the design, fabrication, procurement, and installation of the LWMS meets the guidance of RG 1.143. The commitment also refers to FSAR Tier 2, Section 17 for a description, which in turn refers to Areva Topical Report ANP-10266A (AREVA NP Inc., Quality Assurance Plan (QAP) for Design Certification of the U.S. EPR, Rev.1, April 2007). A review of FSAR Section 17.2 indicates that the construction phase and operations of the U.S. EPR are not applicable in the context of its design certification; FSAR Section 17.4 is devoted to the reliability program; and FSAR Section 17.5 relies on the Areva Topical Report in describing the quality assurance program. A review of Areva Topical Report, Appendix B (Regulatory Commitments: Compliance with Applicable Regulatory Guides, Generic Letters, and Standards) indicates that RG 1.143 is not listed among the cited documents. Note that although Appendix B refers to RGs 1.26 and 1.29, these two RGs do not apply to radioactive waste management systems, as stated in both RGs. Given the above, the staff concludes that FSAR Tier 2, Section 11.2.3.8 makes a design commitment for the LWMS that is not supported by FSAR Tier 2, Sections 11.2 and 17 and Areva Topical Report ANP-10266A. The applicant is requested to consider the following and make appropriate revisions to the FSAR Tier 2, Sections 11.2 and 11.7. Specifically:

1. revise Appendix B of Areva Topical Report ANP-10266A by including RG 1.143 in the list of documents.
2. describe in FSAR Tier 2, Section 11.2.3.8 the elements of QAP and identify related COL information item(s) that address the design, fabrication, procurement, and installation of the LWMS based on the guidance of RG 1.143.
3. make the corresponding changes to the QA discussion of FSAR Tier 2, Section 11.3.3.7 for the GWMS.
4. add a new subsection containing the corresponding commitment to FSAR Tier 2, Section 11.4 for the SWMS, as FSAR Section 11.4 has no parallel QA discussion that address the fabrication, procurement, and installation of the SWMS based on the guidance of RG 1.143.

**Response to Question 11.02-18:**

A response to this question will be provided by May 7, 2010.