

## ArevaEPRDCPEm Resource

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**From:** DUNCAN Leslie E (AREVA NP INC) [Leslie.Duncan@areva.com]  
**Sent:** Friday, February 19, 2010 1:38 PM  
**To:** Tesfaye, Getachew  
**Cc:** DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); WILLIFORD Dennis C (AREVA NP INC)  
**Subject:** Response to U.S. EPR Design Certification Application RAI No. 267, FSAR Ch. 12  
**Attachments:** RAI 267 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 267 Response US EPR DC.pdf," provides a schedule since a technically correct and complete response to the one question is not provided.

The following table indicates the respective pages in the response document, "RAI 267 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 267 — 12.03-12.04-16	2	2

A complete answer is not provided for the one question. The schedule for a technically correct and complete response to this question is provided below.

Question #	Response Date
RAI 267 — 12.03-12.04-16	March 26, 2010

Sincerely,

Les Duncan  
Licensing Engineer  
**AREVA NP Inc.**  
An AREVA and Siemens Company  
Tel: (434) 832-2849  
[Leslie.Duncan@areva.com](mailto:Leslie.Duncan@areva.com)

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**From:** Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]  
**Sent:** Thursday, September 10, 2009 2:44 PM  
**To:** ZZ-DL-A-USEPR-DL  
**Cc:** Peng, Shie-Jeng; Jackson, Christopher; Snodderly, Michael; Jennings, Jason; Colaccino, Joseph; ArevaEPRDCPEm Resource  
**Subject:** U.S. EPR Design Certification Application RAI No. 267 (3234), FSARCh. 12

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on August 3, 2009, and discussed with your staff on August 19, 24, and September 10, 2009. No changes were made to the draft RAI question as a result of that discussion. The question in this RAI is considered potential open items 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 question 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:** 1156

**Mail Envelope Properties** (F322AA625A7A7443A9C390B0567503A10199C5C0)

**Subject:** Response to U.S. EPR Design Certification Application RAI No. 267, FSAR Ch. 12  
**Sent Date:** 2/19/2010 1:38:13 PM  
**Received Date:** 2/19/2010 1:38:16 PM  
**From:** DUNCAN Leslie E (AREVA NP INC)

**Created By:** Leslie.Duncan@areva.com

**Recipients:**

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Tracking Status: None  
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Tracking Status: None  
"Tsfaye, Getachew" <Getachew.Tsfaye@nrc.gov>  
Tracking Status: None

**Post Office:** AUSLYNCMX01.adom.ad.corp

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	2206	2/19/2010 1:38:16 PM
RAI 267 Response US EPR DC.pdf		57892

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

**Response to**

**Request for Additional Information No. 267 (3234), Revision 1**

**9/10/2009**

**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: 9.4, 12.3.6**

**QUESTIONS for Containment and Ventilation Branch 1 (AP1000/EPR Projects)  
(SPCV)**

**Question 12.03-12.04-16:**

POTENTIAL OPEN ITEM

Supplemental RAI for EPR DC FSAR Section 12.3.6

1. Justify the HVAC System SSC as Described in EPR DC FSAR Section 9.4 Applicable to 10 CFR 20.1406.

In DC FSAR Chapter 9, describe the design features provided to prevent or mitigate contamination of the environment; from the HVAC equipment drains for supply, recirculation or discharge air handing units, from the below grade HVAC Systems, Structures or Components (SSC), and due to pressure differentials in the ventilation system associated with normal or expected operation. If design features are not used, provide a description in DC FSAR Chapter 12 of procedures for operations to be used to prevent or mitigate contamination of the environment and provide the associated justification for not incorporating design features.

2. Justify the HVAC System Configuration as Described in EPR DC FSAR Section 9.4 Applicable to 10 CFR 20.1406.

In DC FSAR Chapter 9, describe the design features provided to prevent or mitigate contamination of the environment resulting from equipment configurations such as; 1) the placement of HVAC inlets to prevent contamination by flooding, 2) the provision of moisture or resin traps on tank and vents prior to connection the HVAC system duct, 3) design configuration of system components to minimize the potential for contamination transport resulting from switching ventilation modes, and 4) contamination due to filter element failure. If design features are not used, provide a description in DC FSAR Chapter 12 of procedures for operations to be used to prevent or mitigate contamination of the environment and provide the associated justification for not incorporating design features.

**Response to Question 12.03-12.04-16:**

A response to this question will be provided by March 26, 2010.