

## ArevaEPRDCPEm Resource

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**From:** WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]  
**Sent:** Monday, January 21, 2013 1:01 PM  
**To:** Snyder, Amy  
**Cc:** GUCWA Len (EXTERNAL AREVA); LENTZ Tony (EXTERNAL AREVA); Gleaves, Bill; DELANO Karen (AREVA); LEIGHLITER John (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); WILLS Tiffany (AREVA)  
**Subject:** Response to U.S. EPR Design Certification Application FINAL RAI No. 568 (6713), FSAR Ch. 6  
**Attachments:** RAI 568 Response US EPR DC.pdf

Amy,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 568 Response US EPR DC.pdf" provides a schedule since a technically correct and complete response to this one question cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 568 Response US EPR DC.pdf" that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 568 — 06.02.04-13	2	2

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

Question #	Response Date
RAI 568 — 06.02.04-13	March 22, 2013

Sincerely,

***Dennis Williford, P.E.***  
***U.S. EPR Design Certification Licensing Manager***  
***AREVA NP Inc.***

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Charlotte, NC 28262  
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**From:** Snyder, Amy [<mailto:Amy.Snyder@nrc.gov>]  
**Sent:** Tuesday, December 11, 2012 3:23 PM  
**To:** ZZ-DL-A-USEPR-DL  
**Cc:** McKirgan, John; Grady, Anne-Marie; Segala, John; Gleaves, Bill  
**Subject:** U.S. EPR Design Certification Application FINAL RAI No. 568 (6713), FSAR Ch. 6

Attached please find the subject request for additional information (RAI). A draft of the RAI was provided to you on December 7, 2012, and on December 11, 2012, you informed us that the draft RAI does not contain proprietary

information and that the draft RAI is clear and no further clarification is needed. As result, no change is made to the draft RAI.

The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs, excluding the time period of **December 24, 2011 thru January 2, 2012, to account for the holiday season** as discussed with AREVA NP Inc on November 28, 2012. For any RAIs that cannot be answered **within 40 days or January 21, 2012**, it is expected that a date for receipt of this information will be provided to the staff within the 40-day period so that the staff can assess how this information will impact the published schedule.”

Thank You,

Amy

**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 4186

**Mail Envelope Properties** (554210743EFE354B8D5741BEB695E6560B8318)

**Subject:** Response to U.S. EPR Design Certification Application FINAL RAI No. 568  
(6713), FSAR Ch. 6  
**Sent Date:** 1/21/2013 1:01:18 PM  
**Received Date:** 1/21/2013 1:01:22 PM  
**From:** WILLIFORD Dennis (AREVA)

**Created By:** Dennis.Williford@areva.com

**Recipients:**

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Tracking Status: None

**Post Office:** FUSLYNCMX03.fdom.ad.corp

Files	Size	Date & Time
MESSAGE	2348	1/21/2013 1:01:22 PM
RAI 568 Response US EPR DC.pdf		60220

**Options**

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

**Response to**

**Request for Additional Information 568**

**12/11/2012**

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

**AREVA NP Inc.**

**Docket No. 52-020**

**SRP 06.02.04 - Containment Isolation System**

**Application Section: FSAR Chapter 6.2.4**

**Question 06.02.04-13:**

This question is a follow-up to responses to RAI 410, Question 06.02.04-10, and RAI 479, Question 6.2.4-11:

General Design Criteria 55, 56 and 57 require that containment isolation valves (CIVs) outside containment be located as close to the containment as practical. FSAR Tier 2, Section 6.2.4.2.1, General System Design, states that isolation valves outside containment are located as close as practical to the containment or shield building walls. The response to question 6.2.4-10 requesting these distances did not provide the specific distances between the outside CIVs and the containment.

Instead, the response to the question provided the design criteria for establishing these minimum distances, as well as a description of these criteria, to be added both to Tier 1, section 3.5, Containment Isolation, and Tier 2, section 6.2.4.2.1. The response also provided a new ITAAC item to be added to U. S. EPR FSAR, Tier 1, Table 3.5-3 to specifically require verification that the outside CIVs have been located as close to the containment penetration as practical.

The new ITAAC are necessary for all the outside CIVs. Table 3.5-1, which is referenced in Table 3.5-3, includes only those CIVs that are not included in Tier 1, Chapter 2, System Based Design Descriptions of ITAAC.

Therefore, in order for the staff to be able to evaluate the US EPR compliance with the requirements of GDCs 55, 56, and 57, staff requests the applicant address all the outside CIVs including those identified in the following Tier 1, chapter 2 sections: 2.2.2 (IRWST), 2.2.3 (SIS), 2.2.4 (EFW), 2.2.5 (FPC), 2.2.6 (CVCS), 2.2.7 (EBS), 2.3.3 (SAHRS), 2.6.8 (CBVS), 2.7.1 (CCW), 2.7.5 (FWD), 2.8.2 (MSS), 2.8.6 (MFW), and 2.8.7 (SGBS).

**Response to Question 06.02.04-13:**

A response to this question will be provided by March 22, 2013.