

## ArevaEPRDCPEm Resource

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**From:** Snyder, Amy  
**Sent:** Thursday, February 28, 2013 6:37 AM  
**To:** usepr@areva.com  
**Cc:** Ahmed, Sardar; Miernicki, Michael; Colaccino, Joseph; Segala, John  
**Subject:** U.S. EPR Design Certification Application FINAL RAI No. 576, FSAR Ch. 3- NEW PHASE 4 RAI  
**Attachments:** FINAL\_RAI\_576\_EMB\_7010.doc

Attached please find the subject request for additional information (RAI). An advanced RAI was provided to you on February 8, 2013 and discussed with your staff on February 21, 2013. On February 21, 2013, you informed us that the advanced RAI does not contain proprietary information and that the advanced RAI is clear and no further clarification is needed. As result, no changes were made to the advanced RAI.

The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs,. For any RAIs that cannot be answered **by April 1, 2013**, it is expected that a date for receipt of this information will be provided to the staff within the 30-day period so that the staff can assess how this information will impact the published schedule.

Thank You,

Amy

Amy Snyder, U.S. EPR Design Certification Lead Project Manager

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**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 4182

**Mail Envelope Properties** (Amy.Snyder@nrc.gov20130228063600)

**Subject:** U.S. EPR Design Certification Application FINAL RAI No. 576, FSAR Ch. 3-  
NEW PHASE 4 RAI  
**Sent Date:** 2/28/2013 6:36:39 AM  
**Received Date:** 2/28/2013 6:36:00 AM  
**From:** Snyder, Amy

**Created By:** Amy.Snyder@nrc.gov

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**Post Office:**

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
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**Options**

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

## Request for Additional Information 576

Issue Date: 2/28/2013

Application Title: U. S. EPR Standard Design Certification - Docket Number 52-020

Operating Company: AREVA NP Inc.

Docket No. 52-020

Review Section: 03.02.02 - System Quality Group Classification

Application Section:

### QUESTION

03.02.02-16

FSAR Rev.4, Table 3.2.2-1 has been revised to include changes in the classification of the safety-related Emergency Diesel Generator Set system and ventilation systems. These systems are classified as Quality Group NA with certain portions identified as ASME Class 3.

Staff believes that these systems or portion of these systems should be classified as Quality Group C based on the following:

- FSAR Table 1.9-2 identifies conformance with RG 1.26, Revision 4.
- RG 1.26 discusses systems that are not covered by the guide, such as auxiliary support systems for the diesels and normal ventilation, but the cooling water for systems important to safety such as the diesels is identified as Quality Group C.
- FSAR Section 3.2.2.3 states that Quality Group C applies to pressure-retaining components and their supports that are not part of the reactor coolant pressure boundary or included in Quality Group B that directly support the systems or portion of system functions listed in RG 1.26, Section 2C and SRP Section 3.2.2, Table A-1. These components include safety-related emergency diesel generator support systems.
- SRP 3.2.2 Table A-1 specifically includes the Emergency Diesel Engine fuel oil, cooling water, starting, lubrication and combustion air intake and exhaust systems as Quality Group C. SRP 3.2.2, Table A-1 also identifies the plant ventilation as Quality Group C.

Since the classification of the Emergency Diesel Generator Set system and ventilation system in the FSAR appear to be inconsistent with the regulatory guidance in RG 1.26 and SRP 3.2.2 Table A-1, clarify if this is an exception and provide justification for the exception or revise the classification to be consistent with the regulatory guidance.