

## Callaway2COLPEm Resource

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**From:** Surinder Arora  
**Sent:** Thursday, May 21, 2009 10:05 AM  
**To:** Shafer, David E  
**Cc:** Callaway2COL Resource; Joseph Colaccino; Ann Hodgdon; David Terao; Steven Downey; Tarun Roy; NPUnt2-EPR@ameren.com  
**Subject:** Final RAI N0. 17 (eRAI 2683) - Public  
**Attachments:** FINAL RAI 2683.doc

Dave,

Attached please find the subject request for additional information (RAI). A draft of this RAI was provided to you on April 28, 2009. Based on the phone call on May 18, 2009, the RAI has been revised to make the question consistent with Calvert Cliffs RAI 1548.

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 within 30 days, it is expected that a schedule date for submitting your technically correct and complete response will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the review schedule.

Thanks.

**SURINDER ARORA, PE**  
**PROJECT MANAGER,**  
**Office of New Reactors**  
**US Nuclear Regulatory Commission**

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**Sent Date:** 5/21/2009 10:04:39 AM  
**Received Date:** 5/21/2009 10:04:41 AM  
**From:** Surinder Arora

**Created By:** Surinder.Arora@nrc.gov

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FINAL RAI 2683.doc	29178	

**Options**

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Request for Additional Information No. 2683 Revision 0

5/19/2009

Callaway Unit 2

AmerenUE

Docket No. 52-037

SRP Section: 05.03.03 - Reactor Vessel Integrity

Application Section: 05.03.03

QUESTIONS for Component Integrity, Performance, and Testing Branch 1 (AP1000/EPR Projects)  
(CIB1)

05.03.03-1

The as-procured reactor vessel material properties will be available to the COL holder after the acceptance of the reactor vessel. In order to provide sufficient time for projected values of reference temperature pressurized thermal shock ( $RT_{PTS}$ ) values, using the as-procured reactor vessel material properties to be verified by the NRC, the staff requests a more specific and timely milestone for submitting the pressurized thermal shock (PTS) evaluation to the NRC staff. Therefore, the NRC staff requests that a license condition be added, related to Section 5.3.3, which states, within a reasonable period of time following acceptance of the reactor vessel (e.g., 1 year after acceptance of the reactor vessel), the COL holder will submit to the NRC staff its plant-specific PTS evaluation.