

## Callaway2COLPEm Resource

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**From:** Arora, Surinder  
**Sent:** Thursday, June 11, 2009 3:49 PM  
**To:** Shafer, David E  
**Cc:** Callaway2COL Resource; Colaccino, Joseph; Hodgdon, Ann; Jenkins, Ronaldo; Som, Swagata; Steckel, James; NPUnit2-EPR@ameren.com  
**Subject:** Final RAI N0. 23 (eRAI 2911) - Public  
**Attachments:** FINAL RAI 2911.doc

Dave,

Attached please find the subject request for additional information (RAI). A draft of this RAI was provided to you on June 1, 2009. Based on your email dated June 11, 2009, no clarifications were needed on this 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 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.

Your response letter should also include a statement confirming that the response does or does not contain any sensitive or proprietary information.

Thanks.

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

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**Sent Date:** 6/11/2009 3:48:54 PM  
**Received Date:** 6/11/2009 3:48:56 PM  
**From:** Arora, Surinder

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

**Recipients:**

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**Post Office:** HQCLSTR01.nrc.gov

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MESSAGE	1446	6/11/2009 3:48:56 PM
FINAL RAI 2911.doc	27642	

**Options**

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**Sensitivity:** Normal

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**Recipients Received:**

Request for Additional Information No. 2911 Revision 0

6/11/2009

Callaway Unit 2

AmerenUE

Docket No. 52-037

SRP Section: 08.03.01 - AC Power Systems (Onsite)

Application Section: 8.3.1

QUESTIONS for Electrical Engineering Branch (EEB)

08.03.01-6

FSAR Section 8.3.1.3, Electrical Power System Calculation and Distribution System Studies for AC Systems:

This section indicates that US EPR FSAR Figure 8.3-4 for Typical Station Grounding Grid conceptual design is applicable to the Callaway Unit 2 plant. However, this drawing does not show the 345 kV switchyard grounding. Provide the overall site-specific integrated grounding system plan that includes the 345 kV switchyard and describe the interface between the power block and the switchyard grounding. In addition, provide an ITAAC to inspect for appropriate lightning protection and grounding features for offsite power/switchyard or provide a justification why none is necessary.