

Callaway2COLPEm Resource

From: Surinder Arora
Sent: Friday, May 01, 2009 3:37 PM
To: Shafer, David E
Cc: Callaway2COL Resource; Joseph Colaccino; Ann Hodgdon; Brian Thomas; Milton Valentin; Michael Miernicki; NPUnit2-EPR@ameren.com
Subject: Final RAI N0. 5 (eRAI 2380) - Public
Attachments: FINAL RAI 2380.doc

Dave,

Attached please find the subject request for additional information (RAI). A draft of this RAI was discussed in a phone call on April 29, 2009. Based on your email of April 29, 2009, no changes were required to 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.

Thanks.

SURINDER ARORA, PE
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Hearing Identifier: CallawayPlant_Unit2_COL_Public
Email Number: 42

Mail Envelope Properties (CB87FC66F95637428C5E0D066E756B6FBFFEE5BC8)

Subject: Final RAI N0. 5 (eRAI 2380) - Public
Sent Date: 5/1/2009 3:36:33 PM
Received Date: 5/1/2009 3:36:37 PM
From: Surinder Arora

Created By: Surinder.Arora@nrc.gov

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Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	945	5/1/2009 3:36:37 PM
FINAL RAI 2380.doc	28154	

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Priority: Standard
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Final Request for Additional Information No. 2380 Revision 0

5/1/2009

Callaway Unit 2

AmerenUE

Docket No. 52-037

SRP Section: 03.03.02 - Tornado Loads

Application Section: 3.3.2.3

QUESTIONS for Structural Engineering Branch 1 (AP1000/EPR Projects) (SEB1)

03.03.02-1

GDC-2 requires applicants to demonstrate that SSC important to safety shall be designed to withstand the effects of natural phenomena. Tornado generated missiles are part of this criteria. The applicant has not provided sufficient information to demonstrate that missiles generated from collapse of structures not designed for Tornado loads are bounded by the EPR FSAR 3.5.1.4 missile spectrum.

The applicant is requested to provide the technical basis for stating that missiles generated from collapse of structures not designed for Tornado loads are bounded by the EPR FSAR 3.5.1.4 missile spectrum. Describe the missiles that may be generated by the collapse of the site-specific structures listed in Callaway Plant Unit 2 FSAR Section 3.3.2.3, explain how these are bounded by the missile spectrum in RG 1.76, and explain their immediate and subsequent effect for these potential missiles impacting safety related structures.

In order for the staff to determine that the structures not designed for tornadoes will not represent a hazard for safety related functions, additional information about this factor is requested to demonstrate compliance with GDC-2 in 10 CFR 50, Appendix A.