

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Tuesday, February 15, 2011 11:49 AM
To: John.Only@luminant.com; Donald.Woodlan@luminant.com; cp34-rai-luminant@mnes-us.com; Diane Yeager; Eric.Evans@luminant.com; joseph tapia; Kazuya Hayashi; Matthew.Weeks@luminant.com; MNES RAI mailbox; Russ Bywater
Cc: ComanchePeakCOL Resource; Kallan, Paul
Subject: Comanche Peak RCOL Chapter 3 Section 3.7.1 - RAI Number 205
Attachments: RAI 5317 (RAI 205).docx

The NRC staff has identified that additional information is needed to continue its review of the combined license application. The NRC staff's request for additional information (RAI) is contained in the attachment. Luminant is requested to inform the NRC staff if a conference call is needed.

The response to this RAI is due within **35** calendar days of February 15, 2011.

Note: If changes are needed to the safety analysis report, the NRC staff requests that the RAI response include the proposed changes.

thanks,

Stephen Monarque
U. S. Nuclear Regulatory Commission
NRO/DNRL/NMIP
301-415-1544

Hearing Identifier: ComanchePeak_COL_Public
Email Number: 1240

Mail Envelope Properties (9C2386A0C0BC584684916F7A0482B6CA1D7854F95E)

Subject: Comanche Peak RCOL Chapter 3 Section 3.7.1 - RAI Number 205
Sent Date: 2/15/2011 11:49:08 AM
Received Date: 2/15/2011 11:49:07 AM
From: Monarque, Stephen

Created By: Stephen.Monarque@nrc.gov

Recipients:

"ComanchePeakCOL Resource" <ComanchePeakCOL.Resource@nrc.gov>

Tracking Status: None

"Kallan, Paul" <Paul.Kallan@nrc.gov>

Tracking Status: None

"John.Only@luminant.com" <John.Only@luminant.com>

Tracking Status: None

"Donald.Woodlan@luminant.com" <Donald.Woodlan@luminant.com>

Tracking Status: None

"cp34-rai-luminant@mnes-us.com" <cp34-rai-luminant@mnes-us.com>

Tracking Status: None

"Diane Yeager" <diane_yeager@mnes-us.com>

Tracking Status: None

"Eric.Evans@luminant.com" <Eric.Evans@luminant.com>

Tracking Status: None

"joseph tapia" <joseph_tapia@mnes-us.com>

Tracking Status: None

"Kazuya Hayashi" <kazuya_hayashi@mnes-us.com>

Tracking Status: None

"Matthew.Weeks@luminant.com" <Matthew.Weeks@luminant.com>

Tracking Status: None

"MNES RAI mailbox" <cp34-rai@mnes-us.com>

Tracking Status: None

"Russ Bywater" <russell_bywater@mnes-us.com>

Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	647	2/15/2011 11:49:07 AM
RAI 5317 (RAI 205).docx	19834	

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Request for Additional Information (RAI) No. 5317, COLA Revision 1

RAI Letter Number 205

2/15/2011

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 03.07.01 - Seismic Design Parameters
Application Section: FSAR 3.7.1

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

03.07.01-7

This is a follow-up to RAI 3.7.1-3.

In response to RAI 3.7.1-3 Luminant has stated that the development of foundation input response spectra (FIRS) 1, FIRS 2, and FIRS 3 is consistent with the recommendations of NEI (2009) *Consistent Site-Response/Soil-Structure Interaction Analysis and Evaluation* for embedded structures that are analyzed as surface structures. To date, the soil-structure interaction (SSI) analysis performed in support of the US-APWR Standard Plant has treated embedded structures as surface structures. In contrast, in the SSI analysis of the CPNPP structures, embedded structures are analyzed as embedded structures, not surface structures. Consequently, FIRS 1, FIRS 2, and FIRS 3 that were developed for treating embedded structures as surface structures will not generally be the same FIRS for analyzing embedded structures as embedded structures. Section 3.2.3 of NEI gives a multi-step process for developing FIRS to be used when analyzing embedded structures as embedded structures. Provide justification for using FIRS 1, FIRS 2, and FIRS 3 as the basis of comparison for determining the proper seismic input to the CPNPP structures and describe how the current approach does or does not meet the guidelines of DC/COL Interim Staff Guidance-017 (which adopts the methodology of NEI [2009]).