

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Friday, June 24, 2011 9:15 AM
To: John.Only@luminant.com; Donald.Woodlan@luminant.com; 'cp34-rai-luminant@mnes-us.com'; Eric.Evans@luminant.com; joseph tapia; 'Kazuya Hayashi'; Matthew.Weeks@luminant.com; MNES RAI mailbox; 'Russ Bywater'
Cc: ComanchePeakCOL Resource; Roy, Tarun; Xi, Zuhan
Subject: Comanche Peak RCOL Chapter 2.05.04 - RAI Number 223
Attachments: RAI 5716 (RAI 223).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 June 24, 2011.

Note: The NRC staff requests that the RAI response include any proposed changes to the FSAR.

thanks,

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

Hearing Identifier: ComanchePeak_COL_Public
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From: Monarque, Stephen

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Request for Additional Information (RAI) No. 5716, COLA, Revision 1

RAI Letter Number 223

6/24/2011

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035

SRP Section: 02.05.04 - Stability of Subsurface Materials and Foundations
Application Section: 2.5.4

QUESTIONS for Geosciences and Geotechnical Engineering Branch 1 (RGS1)

02.05.04-25

10 CFR 100.23(d)(2) states that “sufficient geological, seismological, and geophysical data must be provided to clearly establish whether there is a potential for surface deformation.” Furthermore, 10 CFR 100.23(d)(4) addresses siting factors for other design considerations, including “ground disruption.”

During a public conference call with the NRC on September 23, 2010, the staff requested clarification from the applicant on the use of seismic Category I duct banks resting on soil backfill. In a letter to NRC dated October 21, 2010 (ML102980032), the applicant submitted supplemental information for the response to RAI 2.5.4-23 that stated that the duct banks are not seismic Category I and that concrete fill will be placed under all Category I structures. In order to clarify that all fill under seismic Category 1 structures must be concrete backfill, not soil backfill, the staff requests the applicant provide an ITAAC for the concrete backfill. The requested ITAAC should establish inspection and test methods for the concrete fill.