PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Wednesday, September 09, 2009 5:21 PM
To: Donald.Woodlan@luminant.com; John.Conly@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: Ward, William; ComanchePeakCOL Resource
Subject: Comanche Peak RCOLA Section 3.7.4 - RAI 53
Attachments: RAI 2814 (RAI 53).doc

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.

The response to this RAI is due within 42 calendar days of September 9, 2009.

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

thanks,

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

Hearing Identifier: ComanchePeak_COL_Public
Email Number: 596

Mail Envelope Properties (3DF2506A7257014AAC5857E5E852DEAC0762C4FAB1)

Subject: Comanche Peak RCOLA Section 3.7.4 - RAI 53
Sent Date: 9/9/2009 5:21:02 PM
Received Date: 9/9/2009 5:21:03 PM
From: Monarque, Stephen

Created By: Stephen.Monarque@nrc.gov

Recipients:
"Ward, William" <William.Ward@nrc.gov>
Tracking Status: None
"ComanchePeakCOL Resource" <ComanchePeakCOL.Resource@nrc.gov>
Tracking Status: None
"Donald.Woodlan@luminant.com" <Donald.Woodlan@luminant.com>
Tracking Status: None
"John.Conly@luminant.com" <John.Conly@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

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Files	**Size**	**Date & Time**
MESSAGE	574	9/9/2009 5:21:03 PM
RAI 2814 (RAI 53).doc	29178	

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Priority: Standard
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Request for Additional Information (RAI) No. 2814

RAI # 53

9/9/2009

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 03.07.04 - Seismic Instrumentation
Application Section: 3.7.4

QUESTIONS for Geosciences and Geotechnical Engineering Branch 1 (RGS1)

03.07.04-1

The regulatory basis for this question is NUREG-0800, Standard Review Plan, Chapter 3.7.4, "Seismic Instrumentation," and Regulatory Guide (RG) 1.12, "Nuclear Power Plant Instrumentation for Earthquakes."

In FSAR Subsection 3.7.4.2, Luminant stated that a minimum of 3-second pre event and a 5-second post event will be selected (the minimum times listed in RG 1.12, section 4.4). Please provide further details on the methodologies to be used to select the final pre- and post-event recording times. How will Luminant take into account the distance and the duration of any potential earthquakes occurring at controlling earthquake distances and magnitudes? When such an earthquake occurs will Luminant have sufficient pre-event and post-event memory to record the complete waveform?