

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Monday, July 13, 2009 2:36 PM
To: cp34-rai-luminant@mnes-us.com; Diane Yeager; Donald.Woodlan@luminant.com; Eric.Evans@luminant.com; John.Only@luminant.com; joseph tapia; Kazuya Hayashi; Matthew.Weeks@luminant.com; MNES RAI mailbox; Russ Bywater
Cc: Kallan, Paul; ComanchePeakCOL Resource
Subject: Comanche Peak RCOL RAI 14, Section 2.5.1
Attachments: RAI 3037 (RAI 14).doc

The NRC staff has identified that additional information is needed to continue its review of the combined license application. The staff's request for additional information (RAI) is contained in the attachment. Within five calendar days of the date of this letter, please indicate if you wish to have a conference call.

The response to this RAI is due within **35 calendar days** after **July 30, 2009**.

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

thank you,

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

Hearing Identifier: ComanchePeak_COL_Public
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Subject: Comanche Peak RCOL RAI 14, Section 2.5.1
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From: Monarque, Stephen

Created By: Stephen.Monarque@nrc.gov

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RAI 3037 (RAI 14).doc	29178	

Options

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Request for Additional Information (RAI) No. 3037

RAI #14

7/13/2009

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

SRP Section: 02.05.01 - Basic Geologic and Seismic Information
Application Section: 2.5.1 Basic Geologic and Seismic Information

QUESTIONS for Geosciences and Geotechnical Engineering Branch 2 (RGS2)

02.05.01-1

NUREG-0800, Standard Review Plan (SRP), Chapter 2.5.1, 'Basic Geologic and Seismic Information,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

FSAR Subsections 2.5.1.1.3.1 and 2.5.1.1.3.2 discuss regional gravity and aeromagnetic data for the CPNPP site. In the FSAR, you conclude that no features (other than the Meers) "are recognizable in the regional aeromagnetic field that would indicate a capable tectonic source within the site region." Prior to that, you stated that the aeromagnetic signature associated with the Meers fault is related to "Late Paleozoic thrusting and not an expression of the recent kinematic history of the fault." Please explain the limits to using gravity and aeromagnetic data for identifying capable tectonic structures in the CPNPP site region and the likelihood that Cenozoic deformation features would provide a recognizable signature in the data.