

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Tuesday, July 14, 2009 10:01 AM
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: ComanchePeakCOL Resource; Kallan, Paul
Subject: Comanche Peak RCOL RAI 18, Section 2.5.3
Attachments: RAI 3016 (RAI 18).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.

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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Options

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Request for Additional Information (RAI) No. 3016

RAI #18

7/14/2009

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 02.05.03 - Surface Faulting
Application Section: 2.5.3 Surface faulting

QUESTIONS for Geosciences and Geotechnical Engineering Branch 2 (RGS2)

02.05.03-1

FSAR Section 2.5.3.1.2 states that “The [United States Geological Survey] USGS has compiled information related to all known Quaternary faults, liquefaction features, and possible tectonic features in the [central and eastern United States] CEUS.” Please clarify whether or not this is a complete compilation or evaluation of all known Quaternary faults, liquefaction features, and all possible tectonic features and what are its limitations for the purposes of concluding that a feature is, or is not, a capable tectonic structure.

02.05.03-2

NUREG-0800, Standard Review Plan (SRP), Chapter 2.5.3, 'Surface Faulting,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

In Section 2.5.3.2 the FSAR briefly mentions a lineament analysis using 1940s air photos. Please describe the analysis in much greater detail, preferably in Section 2.5.1 where tectonic features in the site vicinity are discussed. Please include the following: a) What other types of imagery were used in the lineament analysis; b) Are the lineaments numbered on Figure 2.5.3-201; c) Please explain the “Lineament Report (WLA, 2007)” referenced on Figure 2.5.3-201 and whether or not it is referenced and described in the FSAR; d) Please explain the origin of each lineament, or group of lineaments, and state the evidence for their inferred origin.

02.05.03-3

NUREG-0800, Standard Review Plan (SRP), Chapter 2.5.3, 'Surface Faulting,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

In FSAR Section 2.5.3.8.2, you state, “It has been concluded that anthropogenic activities occurring near the site do not pose a hazard for surface deformation.” Please explain in detail the basis for this conclusion, and what parts of the FSAR explain the evidence and analysis fully justifying this conclusion.