

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Thursday, October 01, 2009 8:01 PM
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Cc: Magee, Michael; ComanchePeakCOL Resource
Subject: Comanche Peak RCOLA - Section 2.4 RAI # 102
Attachments: RAI 3664 (RAI 102).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. Luminant is requested to inform the NRC staff if a conference call is needed.

The response to this RAI is due within 36 calendar days of October 1, 2009

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
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Subject: Comanche Peak RCOLA - Section 2.4 RAI # 102
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From: Monarque, Stephen

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RAI 3664 (RAI 102).doc		29178

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Request for Additional Information (RAI) No. 3664

RAI # 102

10/1/2009

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 02.04.02 - Floods
Application Section: 2.4.2

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.02-1

NUREG-0800, Standard Review Plan, Chapter 2.4.2, 'Floods,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

In order to determine the safety of structures, systems, and components (SSCs) with respect to floods, Luminant is requested to state explicitly in the COL FSAR the water surface elevation and associated flow rate for the design basis flood (DBF) at the site, and describe all assumptions used in determining the DBF from the flooding scenarios detailed in FSAR Sections 2.4.3 through 2.4.9. Provide a rationale and describe the process used to determine that the stated DBF is bounding conservative, with respect to all permutations of stream, local precipitation, dam failure scenarios, tsunami, surge, seiche, and wind/wave coincidence.