

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Friday, October 02, 2009 2:31 PM
To: Donald.Woodlan@luminant.com; John.Only@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: Magee, Michael; ComanchePeakCOL Resource
Subject: Comanche Peak RCOLA, Section 2.4.5 - RAI # 112
Attachments: RAI 3667 (RAI 112).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 35 calendar days of October 2, 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 2.4.5 - RAI # 112
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From: Monarque, Stephen

Created By: Stephen.Monarque@nrc.gov

Recipients:

"Magee, Michael" <Michael.Magee@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.Only@luminant.com" <John.Only@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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RAI 3667 (RAI 112).doc	32250	

Options

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Request for Additional Information (RAI) No. 3667

RAI # 112

10/2/2009

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

SRP Section: 02.04.05 - Probable Maximum Surge and Seiche Flooding
Application Section: 2.4.5

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.05-1

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.5, 'Probable Maximum Surge and Seiche Flooding,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide a description of and rationale for the process used to determine the conceptual models for probable maximum hurricane, probable maximum wind storm, seiche and resonance, wave runup, and sediment erosion and deposition to ensure that the most conservative of plausible conceptual models has been identified.

02.04.05-2

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.5, 'Probable Maximum Surge and Seiche Flooding,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

In order to determine consistency of analyses for wind generated waves, provide a discussion on the consistency of computation of wind-generated waves in combined license (COL) FSAR Section 2.4.5 compared with that provided in COL FSAR Section 2.4.3.6. Discuss any differences in the assumptions made, parameters used, and resulting estimations of wave height. Also clarify the physical effects that are accounted for in each reported wave height.

02.04.05-3

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.5, 'Probable Maximum Surge and Seiche Flooding,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide discussion to clarify the assumptions made and the risk thresholds used to eliminate from consideration the seiche hazard to the site. Provide a quantitative characterization of the term "rare" as used in reference to USACE geologic hazard evaluations of seiche wave risk.

02.04.05-4

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.5, 'Probable Maximum Surge and Seiche Flooding,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide an assessment of meteorologically and seismically-induced seiches in Squaw Creek Reservoir.