

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Friday, October 02, 2009 2:13 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 2.4.4 - RAI # 111
Attachments: RAI 3666 (RAI 111).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
Email Number: 668

Mail Envelope Properties (9C2386A0C0BC584684916F7A0482B6CA04A83CE53B)

Subject: Comanche Peak RCOLA, Section 2.4.4 - RAI # 111
Sent Date: 10/2/2009 2:13:10 PM
Received Date: 10/2/2009 2:13:13 PM
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

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	650	10/2/2009 2:13:13 PM
RAI 3666 (RAI 111).doc	32250	

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Request for Additional Information (RAI) No. 3666

RAI # 111

10/2/2009

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 02.04.04 - Potential Dam Failures
Application Section: 2.4.4

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.04-1

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.4, 'Potential Dam Failures,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide a description of the process used to determine that the multiple dam failure analysis and resulting flood elevations are based on the most conservative of all plausible conceptual models, including consideration of multiple scenarios of domino failures of existing and proposed dam development within the Brazos River Basin and coincident wind and wave activity on each failed dam.

02.04.04-2

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.4, 'Potential Dam Failures,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide documentation and electronic versions of input files to all computer models used to compute the water surface elevations for dam break flooding analysis.

02.04.04-3

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.4, 'Potential Dam Failures,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide a rationale for and discuss how the existing dams in the Brazos River Basin (referenced in FSAR Section 2.4.1) were analyzed to determine the appropriateness of limiting dam failure analysis to Morris Shepherd and De Cordova Dams. Explain how the impact of failure of proposed (future) dams was considered in the dam failure analysis.

02.04.04-4

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.4, 'Potential Dam Failures,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide a rationale for assuming normal water surface elevations for reservoirs included in the domino-type dam failure scenario. Explain why the analysis should not include maximum reservoir elevations as reported in operating histories or in reservoir operating guides maintained by operating authorities.