

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Thursday, October 01, 2009 7:50 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 RAI # 101
Attachments: RAI 3663 (RAI 101).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
Email Number: 658

Mail Envelope Properties (9C2386A0C0BC584684916F7A0482B6CA04A83CE2F3)

Subject: Comanche Peak RCOLA - Section 2.4 RAI # 101
Sent Date: 10/1/2009 7:50:15 PM
Received Date: 10/1/2009 7:50:18 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 RAI 3663 (RAI 101).doc	645 33274	10/1/2009 7:50:18 PM

Options

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

Request for Additional Information (RAI) No. 3663

RAI # 101

10/1/2009

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 02.04.01 - Hydrologic Description
Application Section: 2.4.1

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.01-1

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.1, 'Hydrologic Description,' 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 followed to determine how the proposed plant interfaces with the hydrosphere, including determinations of the hydrologic causal mechanisms that may require special plant design basis, current and future surface water uses by Comanche Peak, Units 3 and 4 and other users, conceptual models used to establish bounding hydrologic conditions, and conceptual models used to quantify uncertainty in hydrological processes and conditions at the site.

02.04.01-2

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.1, Hydrologic Description,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide all maps, figures, textual references, stream gauging, groundwater level, and other spatially referenced hydrologic and hydro geologic data with consistent datum and projections.

02.04.01-3

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.1, Hydrologic Description,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide a consistent plant grade level for referencing structures systems and components important to safety and analyzing the design basis flood.

02.04.01-4

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.1, Hydrologic Description,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide a description and rationale of the metrics used to determine the significance to the safety analyses of hydrologic units (stream segments and reservoirs) within the Brazos River Basin.

02.04.01-5

NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.1, Hydrologic Description,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

Provide a description of all existing and proposed reservoirs within the Brazos River Basin and discuss their significance in terms of the design basis flood analysis.