

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Wednesday, April 27, 2011 4:54 PM
To: John.Only@luminant.com; Donald.Woodlan@luminant.com; cp34-rai-luminant@mnes-us.com; Eric.Evans@luminant.com; joseph tapia; Kazuya Hayashi; Matthew.Weeks@luminant.com; MNES RAI mailbox; Russ Bywater
Cc: ComanchePeakCOL Resource; Roy, Tarun
Subject: Comanche Peak RCOL Chapter 2 - section 2.3 - RAI Number 217
Attachments: RAI 5722 (RAI 217).docx

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 April 27, 2011.

Note: The NRC staff requests that the RAI response include any proposed changes to the FSAR.

thanks,

Stephen Monarque
U. S. Nuclear Regulatory Commission
NRO/DNRL/NMIP
301-415-1544

Hearing Identifier: ComanchePeak_COL_Public
Email Number: 1332

Mail Envelope Properties (9C2386A0C0BC584684916F7A0482B6CA1E639076BE)

Subject: Comanche Peak RCOL Chapter 2 - section 2.3 - RAI Number 217
Sent Date: 4/27/2011 4:53:43 PM
Received Date: 4/27/2011 4:53:44 PM
From: Monarque, Stephen

Created By: Stephen.Monarque@nrc.gov

Recipients:

"ComanchePeakCOL Resource" <ComanchePeakCOL.Resource@nrc.gov>

Tracking Status: None

"Roy, Tarun" <Tarun.Roy@nrc.gov>

Tracking Status: None

"John.Only@luminant.com" <John.Only@luminant.com>

Tracking Status: None

"Donald.Woodlan@luminant.com" <Donald.Woodlan@luminant.com>

Tracking Status: None

"cp34-rai-luminant@mnes-us.com" <cp34-rai-luminant@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	609	4/27/2011 4:53:44 PM
RAI 5722 (RAI 217).docx	21002	

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Request for Additional Information (RAI) No. 5722, COLA Revision 1

RAI Letter Number 217

4/27/2011

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 02.03.01 - Regional Climatology
Application Section: Regional Climatology

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.03.01-13

10 CFR 52.79(a)(1)(iii) states that the COL FSAR shall include “the seismic, meteorological, hydrologic, and geologic characteristics of the proposed site with appropriate consideration of the most severe of the natural phenomena that have been historically reported for the site and surrounding area and with sufficient margin for the limited accuracy, quantity, and time in which the historical data have been accumulated.

NUREG-0800, Section 2.0 states that for an applicant referencing a DC, acceptance is based on the applicant’s demonstration that the characteristics of the site fall within the site parameters of the certified design. NUREG-0800, Section 2.3.1 identifies typical tornado parameters (including maximum wind speed, translational speed, rotational speed, and maximum pressure differential with the associated time interval) to be used in establishing pressure and tornado missile loadings on structures, systems, and components (SSCs) important to safety.

The US-APWR DCD, Revision 3, Table 2.0-1 presents values for the following tornado related site parameters:

- Tornado maximum wind speed
- Tornado maximum rotational wind speed
- Tornado maximum translational wind speed
- Radius of maximum rotational speed
- Tornado maximum pressure drop
- Rate of pressure drop

CPNPP COL FSAR Table 2.0-1R presents the site characteristic tornado maximum wind speed and the site characteristic tornado maximum pressure drop values; but does not present site characteristics for comparison to the remaining site parameter values in the US-APWR DCD. Please update FSAR Table 2.0-1R to include a comparison with all of the tornado site parameter values that are presented in the US-APWR DCD, Revision 3.