

## PMComanchePeakPEm Resource

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**From:** Monarque, Stephen  
**Sent:** Tuesday, April 27, 2010 2:14 PM  
**To:** John.Only@luminant.com; Donald.Woodlan@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:** ComanchePeakCOL Resource; Magee, Michael  
**Subject:** Comanche Peak RCOL Chapter 2 Section 2.3.3 - RAI Number 157  
**Attachments:** RAI 4608 (RAI 157).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 April 27, 2010.

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:** 892

**Mail Envelope Properties** (9C2386A0C0BC584684916F7A0482B6CA0E52FBDDEA)

**Subject:** Comanche Peak RCOL Chapter 2 Section 2.3.3 - RAI Number 157  
**Sent Date:** 4/27/2010 2:14:12 PM  
**Received Date:** 4/27/2010 2:14:23 PM  
**From:** Monarque, Stephen

**Created By:** Stephen.Monarque@nrc.gov

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RAI 4608 (RAI 157).doc		33274

**Options**

**Priority:** Standard

**Return Notification:** No

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**Sensitivity:** Normal

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**Recipients Received:**

Request for Additional Information (RAI) No. 4608 COLA Revision 1

RAI Number 157

4/27/2010

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

SRP Section: 02.03.03 - Onsite Meteorological Measurements Programs  
Application Section: Onsite Meteorological Measurements Programs

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.03.03-10

NUREG-0800, Standard Review Plan (SRP), Chapter 2.3.3, 'Onsite Meteorological Measurements Programs,' establishes criteria that the NRC staff intends to use to evaluate whether an applicant meets the NRC's regulations.

In response to RAI 2.3.3-3, Luminant provided information regarding the onsite moisture measurements collected from June 12, 2008 to September 23, 2008. The updated FSAR Section 2.3.3.1 states that "the pre-operational onsite data was used to demonstrate that the actual onsite conditions correlated well with longer term data from local weather stations which were used for the official calculations". The staff requests that the comparison of onsite data with first order weather stations be provided, along with the correlation demonstration of the data.

Further, the updated FSAR Section 2.3.3.1 states "the instrument was located on top of the Project Records Center Building". Please provide clarification that demonstrates the moisture data collected was obtained without interference from manmade objects and was not skewed because of the building's roof or surface materials.

02.03.03-11

Please correct the following typographical error in updated FSAR Table 2.3-332 in the RAI 2.3.3-5 response. The resolution for wind direction should be given as 1 degree instead of 1 degree Fahrenheit.

02.03.03-12

Luminant stated in response to RAI 2.3.3-6 that the meteorological tower's guyed wires and tower anchors are inspected every five years. Regulatory Guide 1.23, 'Meteorological Monitoring Programs for Nuclear Power Plants,' Rev. 1 (March 2007), indicates guyed wires should be inspected annually and anchors should be inspected once every three years in accordance with industry standards (pp. 10). Please explain in FSAR Section 2.3.3 why the inspection schedule used for the meteorological tower is different than the guidance provided in Regulatory Guide 1.23, Rev. 1 (March 2007).

02.03.03-13

Regulatory Guide 1.23 requests that the FSAR include a statement describing the length of the booms that support the meteorological instrumentation. Include this information, along with justification explaining that the lengths of the booms sufficiently reduce airflow modification and turbulence induced by the supporting structure itself, or provide justification as to why this information is not necessary in the FSAR.