

## PMComanchePeakPEm Resource

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**From:** Monarque, Stephen  
**Sent:** Wednesday, September 30, 2009 5:26 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:** Magee, Michael; ComanchePeakCOL Resource  
**Subject:** Comanche Peak RCOL Section 2.4 - RAI # 95  
**Attachments:** RAI 3675 (RAI 95).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 September 29, 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:** 651

**Mail Envelope Properties** (9C2386A0C0BC584684916F7A0482B6CA04A7323496)

**Subject:** Comanche Peak RCOL Section 2.4 - RAI # 95  
**Sent Date:** 9/30/2009 5:26:17 PM  
**Received Date:** 9/30/2009 5:26:18 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  
"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  
"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

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RAI 3675 (RAI 95).doc	35322	

**Options**

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

Request for Additional Information (RAI) No. 3675

RAI # 95

9/30/2009

Comanche Peak Units 3 and 4  
Luminant Generation Company, LLC.  
Docket No. 52-034 and 52-035  
SRP Section: 02.04 - Hydrology  
Application Section: 2.4.15

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04-1

In the subsections of Section 2.4 of Comanche Peak FSAR the applicant has stated the following:

2.4.1 Hydrologic Description

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.1 with the following.

2.4.2 Floods

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.2 with the following.

2.4.3 Probable Maximum Flood

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.3 with the following.

2.4.4 Potential Dam Failures

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.4 with the following.

2.4.5 Probable Maximum Surge and Seiche Flooding

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.5 with the following.

2.4.6 Probable Maximum Tsunami Hazard

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.6 with the following.

2.4.7 Ice Effects

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.7 with the following.

2.4.8 Cooling Water Canals and Reservoirs

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.8 with the following.

2.4.9 Channel Diversions

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.9 with the following.

2.4.10 Flooding Protection Requirements

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.10 with the following.

2.4.11 Low Water Considerations

CP COL 2.4(1) Add the following after the second paragraph of DCD Subsection 2.4.11..

2.4.12 Groundwater

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.12 with the following.

2.4.13 Accidental Releases of Radioactive Liquid Effluent in Ground and Surface waters

CP COL 2.4(1) Add the following at the end of the DCD Subsection 2.4.13.

2.4.14 Technical Specification and Emergency Operation Requirements

CP COL 2.4(1) Add the following after the paragraph in DCD Subsection 2.4.14.

2.4.15 Combined License Information

CP COL 2.4(1) Replace the content of DCD Subsection 2.4.15 with the following.

2.4(1) Hydrologic Related Events

This COL item is addressed in Subsections 2.4.1, 2.4.2, 2.4.3, 2.4.4, 2.4.5, 2.4.6, 2.4.7, 2.4.8, 2.4.9, 2.4.10, 2.4.11, 2.4.12, 2.4.13 and 2.4.14 along with the associated tables and figures.

2.4.16 References

CP SUP2.4(1) Add the following references after the last DCD reference.

While the purpose of a COLA is to incorporate by reference portions of the DCD and include site specific information and analyses, the Comanche Peak COLA FSAR appears to be trying to update the US-APWR DCD. Provide a description and/or correction in the FSAR to correct the irregularity in the recommended action of the Comanche Peak R-COLA. This is important in view of the fact that Comanche Peak is the Reference COLA (R-COLA) and a subsequent COLA (S-COLA) will be incorporating by reference portions of the R-COLA.