

## PMComanchePeakPEm Resource

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**From:** Monarque, Stephen  
**Sent:** Monday, January 11, 2010 5:00 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; Ward, William  
**Subject:** Comanche Peak RCOL Section 5.2.5 - RAI Number 127  
**Attachments:** RAI 4089 (RAI 127).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 January 11, 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:** 766

**Mail Envelope Properties** (9C2386A0C0BC584684916F7A0482B6CA0B7A220C1E)

**Subject:** Comanche Peak RCOL Section 5.2.5 - RAI Number 127  
**Sent Date:** 1/11/2010 5:00:04 PM  
**Received Date:** 1/11/2010 5:00:06 PM  
**From:** Monarque, Stephen

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

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**Post Office:** HQCLSTR02.nrc.gov

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RAI 4089 (RAI 127).doc	29690	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

Request for Additional Information (RAI) No. 4089 Revision 1

RAI Number 127

1/11/2010

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

SRP Section: 05.02.05 - Reactor Coolant Pressure Boundary Leakage Detection  
Application Section: 5.2.5

QUESTIONS for Balance of Plant Branch 2 (ESBWR/ABWR) (SBPB)

05.02.05-3

The NRC staff has reviewed the applicant's responses to RAI 3457-13642 Question 05.02.05-1 and RAI 3457-13643 Question 05.02.05-2 (RAI number 58), dated October 26, 2009. The applicant agreed to provide procedures regarding conversion of the referenced leak detection instruments into a common leak rate and operator actions in response to prolonged leakage in COL application FSAR Subsection 13.5.2.1. The NRC staff finds that Subsection 13.5.2.1, "Operating and Emergency Operating Procedures," currently does not have such procedures for the staff to review. It appears that the applicant has not provided, but is committed to provide, such procedures prior to fuel loading. In doing so, the applicant is requested to provide the essential elements of the procedures in the FSAR to establish the licensing bases for meeting 10 CFR Part 50, Appendix A, General Design Criterion 30 and Regulatory Guide 1.45, "Guidance on Monitoring and Response to Reactor Coolant System Leakage." For example, in the FSAR, the referenced leak detection instruments need to be specified as well as the alarm set points. Further, in the FSAR, the applicant is requested to clarify that it will commit to the procedure guidance as described in RG 1.45, Revision 1, "Guidance on Monitoring and Response to Reactor Coolant system Leakage," Regulatory Position C.3. Otherwise, if an alternative proposal is selected, the applicant should describe and justify it in the FSAR.

Reference: Attachment 5 of Luminant Response to Requests for Additional Information dated 10/26/09, CP-200901530, Log # TXNB-09058, ML093010366.