

## PMComanchePeakPEm Resource

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**From:** Monarque, Stephen  
**Sent:** Friday, September 25, 2009 4:36 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:** ComanchePeakCOL Resource; Ward, William  
**Subject:** Comanche Peak RCOL Section 3.9.3 - RAI # 84  
**Attachments:** RAI 2736 (RAI 84).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 42 calendar days of September 25, 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:** 638

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**From:** Monarque, Stephen

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RAI 2736 (RAI 84).doc	32250	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

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Request for Additional Information (RAI) No. 2736

RAI # 84

9/25/2009

Comanche Peak Units 3 and 4  
Luminant Generation Company, LLC.  
Docket No. 52-034 and 52-035  
SRP Section: 03.09.03 - ASME Code Class 1, 2, and 3 Components  
Application Section: 3.9.3

QUESTIONS for Engineering Mechanics Branch 2 (ESBWR/ABWR Projects) (EMB2)

03.09.03-1

NUREG-0800, Standard Review Plan (SRP) 3.9.3 Appendix A, Section 7.A.(iv) states that the NRC staff may request the submission of the Code-required Design Documents (such as Design Specifications, Design Reports, Load Capacity Data Sheets, or other related material or portions thereof), in order to establish that the design criteria, the analytical methods, and functional capabilities satisfy the guidance provided by Appendix A. This may include information provided to, and received from, component and support manufacturers. As an alternative to the applicant submitting these documents, the staff may request them to be made available for review at the applicant's or vendor's office.

10 CFR 52.47 requires that information submitted for design certification must include performance requirements and design information sufficiently detailed to permit the preparation of procurement, construction, and installation specifications by the applicant. The Commission will require, before design certification, that information normally contained in certain procurement specifications and construction and installation specifications be completed and available for audit if the information is necessary for the Commission to make its safety determination.

In view of the guidance provided in SRP Appendix A, Section 7.A.(iv) and requirements of 10 CFR 52.47 as stated above, the NRC staff requests the applicant provide a specific schedule for when the staff can audit the design specifications of risk significant American Society of Mechanical Engineers (ASME) Class 1, 2, and 3 components so as to make a safety determination for the combined license (COL) application. This information is required to make the safety determination for COL issuance.

03.09.03-2

In the Comanche Peak Nuclear Power Plant combined license application (COLA) FSAR Section 3.9.3.3.1, Pump Operability, the applicant stated that “The site-specific list of active pumps is provided in Table 3.9-201.”

In reviewing the US APWR design certification document (DCD), Table 3.9-7 identified the active pumps called out in the DCD. Active pumps are those whose operability is relied upon to perform a safety-related function during transients or events in the respective operating condition categories. The criterion included in this section is that the design of these pumps in accordance with ASME Code Section III requirements as outlined in DCD Tables 3.9-6 for Class 1 and 3.9-8 for Class 2 and 3 pumps. So that the NRC staff may verify consistency between the FSAR and the DCD, the staff requests the applicant address the safety-related function of Table 3.9-201 pumps during transient or events in the respective operating condition.