

## PMComanchePeakPEm Resource

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**From:** Monarque, Stephen  
**Sent:** Sunday, September 20, 2009 11:52 AM  
**To:** John.Only@luminant.com; Donald.Woodlan@luminant.com; Eric.Evans@luminant.com; cp34-rai-luminant@mnes-us.com; Diane Yeager; joseph tapia; Kazuya Hayashi; Matthew.Weeks@luminant.com; MNES RAI mailbox; Russ Bywater  
**Cc:** ComanchePeakCOL Resource  
**Subject:** Comanche Peak RCOL- Section 3.2.2 - RAI # 67  
**Attachments:** RAI 2757 (RAI 67).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 43 calendar days of September 20, 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:** 619

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**Subject:** Comanche Peak RCOL- Section 3.2.2 - RAI # 67  
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**From:** Monarque, Stephen

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

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MESSAGE	654	9/20/2009 11:51:54 AM
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**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

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Request for Additional Information (RAI) No. 2757

RAI # 67

9/20/2009

Comanche Peak Units 3 and 4  
Luminant Generation Company, LLC.  
Docket No. 52-034 and 52-035  
SRP Section: 03.02.02 - System Quality Group Classification  
Application Section: 3.2.2

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

03.02.02-1

NUREG-800, Standard Review Plan (SRP) 3.2.2 identifies that, consistent with SECY-93-087, the NRC staff should review applications using the newest codes and standards that have been endorsed by the NRC and unapproved editions will be reviewed on a case by case basis. FSAR Table 3.2-201 and the notes do not define editions for codes and standards or applicable codes and standards for certain structures, systems, and components (SSCs), such as the ultimate heat sink (UHS) essential service water (ESW) pump house ventilation system. Clarify which editions of codes and standards apply to the SSCs included in Table 3.2-201 and, for SSCs that refer to codes and standards defined in the design bases, identify what commercial codes and standards apply. If this information is to be determined later, advise when this information will be available.

03.02.02-2

SRP 3.2.2 indicates that the review includes the applicant's presentation on suitable piping and instrumentation diagrams of the system quality group classifications. Site-specific system piping & instrumentation diagrams (P&IDs), such as FSAR Figure 9.2.1-1R for the ESWS, do not appear to show the system quality group classifications or boundaries. Show the quality group classifications and boundaries on these figures or otherwise clarify if the final P&IDs will be available for audit.

03.02.02-3

Although the circulating water (CWS) system does not have safety-related functions, the failure of the CWS piping may have adverse consequences on important to safety SSCs due to its location or large size. This system is also important for continued plant operation. Therefore, the CWS is normally constructed to industry quality standards that are intended to minimize the potential for such a failure. SRP 10.4.5 identifies that the CWS is designed to Quality Group D. The circulating water system is not classified in FSAR Table 3.2-201 or DCD Table 3.2-1 and it is not clear what quality standards including codes and standards are applied to the design and construction of this piping. Identify the quality group and appropriate codes and standards that apply to the design and construction of the CWS piping.

03.02.02-4

10 CFR Part 52 requires, in part, that, prior to granting a combined license, which references a standard design certification, that information normally contained in certain specifications be available for audit if such information is needed to make the determination that the application is consistent with the certified design. Confirm that design information contained in procurement specifications concerning the quality group classification of all important to safety SSCs and the basis for the classification is available for NRC staff to audit, or establish when such design information will be available. In addition, clarify what design basis classification information, such as design specifications, P&IDs, and Q List, is available for the NRC staff to audit.