

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Tuesday, October 16, 2012 10:48 AM
To: John.Only@luminant.com; Donald.Woodlan@luminant.com; 'cp34-rai-luminant@mnes-us.com'; Eric.Evans@luminant.com; joseph tapia; 'Kazuya Hayashi'; 'Russ Bywater'; MNES RAI mailbox (cp34-rai-luminant@mnes-us.com); na3raidommailbox@dom.com
Cc: ComanchePeakCOL Resource; Ward, William
Subject: Comanche Peak RCOL Chapter 8 - Section 8.2 - RAI Number 263
Attachments: RAI_6884 (RAI 263).docx

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 **October 16, 2012**.

Note: The NRC staff requests that the RAI response include any proposed changes to the FSAR.

thanks,

Stephen Monarque
U. S. Nuclear Regulatory Commission
NRO/DNRL/NMIP
301-415-1544

Hearing Identifier: ComanchePeak_COL_Public
Email Number: 1746

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From: Monarque, Stephen

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Options

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Request for Additional Information (RAI) Letter No. 263 (6884)

Issue Date: 10/16/2012

Application Title: Comanche Peak Units 3 and 4 -

Operating Company: Luminant Generation Company, LLC.

Docket No. 52-034 and 52-035

Review Section: 08.02 - Offsite Power System

Application Section: 8.2

QUESTIONS

08.02-31

On July 27, 2012, the NRC issued Bulletin 2012-01, "Design Vulnerability in Electric Power System," (Agencywide Documents Access and Management System (ADAMS) Accession Number ML12074A115) to all holders of operating licenses and combined licenses for nuclear power reactors requesting information about the facilities' electric power system designs. This Bulletin was issued in light of the recent operating experience that involved the loss of one of the three phases of the offsite power circuit (single-phase open circuit condition) at Byron Station, Unit 2 to verify compliance with applicable regulations and to determine if further regulatory action is warranted.

In order to verify that the applicant for a new reactor combined license has addressed the design vulnerability identified at Byron in accordance with the requirements specified in General Design Criterion (GDC) 17, "Electric Power Systems," in 10 CFR Part 50, Appendix A, "General Design Criteria for Nuclear Power Plants," and the design criteria for protection systems under 10 CFR 50.55a(h)(3), please provide the following information:

- Describe the protection scheme design for important to safety buses (non-safety or safety-related) to detect and automatically respond to a single-phase open circuit condition or high impedance ground fault condition on credited offsite power circuits.
- If the important to safety buses are not powered by offsite power sources during at power condition, explain how the surveillance tests are performed to verify that a single-phase open circuit condition or high impedance ground fault condition on an off-site power circuit is detected.
- Describe how the plant operating procedures, including off-normal operating procedures, specifically call for verification of the voltages on all three phases of the ESF buses.