

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Thursday, April 12, 2012 1:26 PM
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)
Cc: ComanchePeakCOL Resource; Otto, Ngoia
Subject: Comanche Peak RCOL Chapter 14- RAI Number 254 -
Attachments: RAI 6403 (RAI 254).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 **April 12, 2012, 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
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From: Monarque, Stephen

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Options

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Request for Additional Information (RAI) No. 6403, COLA Revision 2

RAI Letter Number 254

4/12/2012

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

SRP Section: 14.03.07 - Plant Systems - Inspections, Tests, Analyses, and Acceptance Criteria
Application Section: 9.2.5 and 14.3.7

QUESTIONS for Balance of Plant and Technical Specifications Branch (BPTS)

14.03.07-38

Based on the staff's review of Comanche Peak Nuclear Power Plant Units 3 and 4, Revision 2, Part 10 - ITAAC, Appendix A.1, "Ultimate Heat Sink System (UHSS) and Essential Service Water system (ESWS) (Portions Outside the Scope of the Certified Design)," the applicant is requested to address the following items below.

1. Site-specific ITAAC should clearly describe testing of the UHS transfer pumps and associated MOVs from their various safety-related power supplies.
2. Site-specific ITAAC should clearly describe testing of the ESWS/UHS heat tracing.
3. Site-specific ITAAC should clearly describe testing of the ESWS/UHS freeze protection features (which may include operating the UHS fans in reverse speed).
4. Site-specific ITAAC should clearly describe and conclude that the UHS fans are designed to withstand the effects of design basis tornado differential pressure.
5. Site-specific ITAAC (see ITAAC #18) should clearly describe the UHS is capable of performing its safety function without exceeding the maximum temperature limit of the water in the UHS basin.
6. Site-specific ITAAC should clearly describe that the UHS spray nozzles and orifices are adequately designed with consideration for blockage. Note, US-APWR DCD 9.2.1.2.2 states that the ESWS strainer mesh is 3 mm to assure that potential clogging of the cooling tower nozzles is avoided.