

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Wednesday, January 26, 2011 1:58 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; Otto, Ngola
Subject: Comanche Peak RCOL Chapter 11 Section 11.5 - RAI Number 201
Attachments: RAI 5377 (RAI 201).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 **January 26, 2011**.

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

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Options

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Request for Additional Information (RAI) No. 5377, COLA Revision 1

RAI Letter Number 201

1/26/2011

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

SRP Section: 11.05 - Process and Effluent Radiological Monitoring Instrumentation and Sampling
Systems

Application Section: 11.5

QUESTIONS for Health Physics Branch (CHPB)

11.05-4

The NRC Staff's review of COLA FSAR (Rev. 1), Updated Tracking Report (Rev. 4), and response to RAI 2747, Question 11.02-4 (RAI Letter Number 29) found the applicant did not fully describe information on process and effluent radiation monitor sensitivity for compliance with 10 CFR Part 50, Appendix A, GDC 60 and 64, and SRP Sections 11.2 and 11.5. In the response to RAI 2747, Question 11.02-4 (RAI Letter No. 29), item (3), it states a portion of the [liquid] flow will go through the radiation monitor in the unlikely event that the bypass valve (VLV-531) which is normally locked-closed and tagged is left open or partially open. The in-line process effluent radiation monitor (RE-035) is to initiate pump shutdown, valve closure, and operator actions when the monitor reaches the high setpoint, but can be bypassed along with discharge control valves (RCV-035A/B) to ensure the discharge operation is not interrupted by either failure of control valves and/or radiation monitor.

Section 5.5 of ANSI/ANS-55.6-1993 (R2007), referenced in SRP Section 11.2, states that process and effluent radiation monitors shall have sensitivity sufficient to establish that discharges are within established limits and allow determination of the integrated quantity of radioactivity. Please provide a detailed analysis with the methodology, basis, and assumptions which demonstrates that the RE-035 radiation monitor has adequate sensitivity to meet its design objectives under this operation condition with reduced liquid discharge flow rates. Provide a mark-up of the proposed FSAR changes.