

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Friday, September 25, 2009 1:52 PM
To: Donald.Woodlan@luminant.com; John.Conly@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 3.5.2 - RAI # 80
Attachments: RAI 2840 (RAI 80).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: 634

Mail Envelope Properties (9C2386A0C0BC584684916F7A0482B6CA0BB0ED)

Subject: Comanche Peak RCOL Section 3.5.2 - RAI # 80
Sent Date: 9/25/2009 1:51:57 PM
Received Date: 9/25/2009 1:52:02 PM
From: Monarque, Stephen

Created By: Stephen.Monarque@nrc.gov

Recipients:

"ComanchePeakCOL Resource" <ComanchePeakCOL.Resource@nrc.gov>

Tracking Status: None

"Ward, William" <William.Ward@nrc.gov>

Tracking Status: None

"Donald.Woodlan@luminant.com" <Donald.Woodlan@luminant.com>

Tracking Status: None

"John.Only@luminant.com" <John.Only@luminant.com>

Tracking Status: None

"cp34-rai-luminant@mnes-us.com" <cp34-rai-luminant@mnes-us.com>

Tracking Status: None

"Diane Yeager" <diane_yeager@mnes-us.com>

Tracking Status: None

"Eric.Evans@luminant.com" <Eric.Evans@luminant.com>

Tracking Status: None

"joseph tapia" <joseph_tapia@mnes-us.com>

Tracking Status: None

"Kazuya Hayashi" <kazuya_hayashi@mnes-us.com>

Tracking Status: None

"Matthew.Weeks@luminant.com" <Matthew.Weeks@luminant.com>

Tracking Status: None

"MNES RAI mailbox" <cp34-rai@mnes-us.com>

Tracking Status: None

"Russ Bywater" <russell_bywater@mnes-us.com>

Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	649	9/25/2009 1:52:02 PM
RAI 2840 (RAI 80).doc	31226	

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Request for Additional Information (RAI) No. 2840

RAI # 80

9/25/2009

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

SRP Section: 03.05.02 - Structures Systems and Components To Be Protected From Externally-
Generated Missiles
Application Section: 3.5.2

QUESTIONS for Balance of Plant Branch 2 (ESBWR/ABWR) (SBPB)

03.05.02-1

In Subsection 3.5.2 of US-APWR design certification document (DCD), Tier 2, Revision 1, Mitsubishi (applicant of the US-APWR design certification) states:

“The COL Applicant is responsible to evaluate site-specific hazards for external events that may produce missiles more energetic than tornado missiles, and assure that the design of seismic category I and II structures meet these loads.”

Also, a combined license (COL) information item (COL 3.5(5)) is provided in US-APWR DCD, Tier 2, Subsection 3.5.4, “Combined License Information,” and Table 1.8-2, “Compilation of All Combined License Applicant Items for Chapters 1-19,” to reflect the above cited statement.

In Comanche Peak Nuclear Power Plant, Units 3 and 4, COL application, FSAR Tier 2, Revision 0, Subsection 3.5.2, Luminant proposed to replace the above cited statement in the second paragraph of US-APWR DCD Subsection 3.5.2 with the following statement:

“No site-specific hazards for external events are shown to produce missiles more energetic than tornado missiles identified for the US-APWR standard plant design. The design basis for externally generated missiles is therefore bounded by the standard plant design criteria for tornado-generated missiles.”

The NRC staff has evaluated Luminant’s proposed resolution of COL Information Item 3.5(5), and has determined that it is not clear to the NRC staff that Luminant has conducted an assessment of site-specific hazards for external events that may produce missiles more energetic than tornado missiles, and assure that the design of seismic category I and II structures meet these loads. Therefore, Luminant is requested to provide a detailed analysis/discussion to address Mitsubishi’s US-APWR DCD COL Information Item 3.5(5).