PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Monday, February 27, 2012 12:12 PM
To: John.Conly@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; Reyes, Ruth
Subject: Comanche Peak RCOL Chapter 19 - RAI Number 248 -
Attachments: RAI 6320 (RAI 248).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 **February 27, 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

Created By: Stephen.Monarque@nrc.gov

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Request for Additional Information (RAI) No. 6320, COLA Revision 2

RAI Letter Number 248

2/27/2012

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 19 - Probabilistic Risk Assessment and Severe Accident Evaluation
Application Section: 19

QUESTIONS for PRA and Severe Accidents Branch (SPRA)

19-19

The staff reviewed the applicant's response, dated May 2, 2011, to RAI Letter Number 210 (5069) question 19-14 regarding the high winds shutdown assessment. In the applicant’s response, only tornado strike frequencies were considered. For example, tornado wind speeds of 86-110 mph were reported to have a strike frequency of 1.5E-4 per year (Table 19.1-201 page 19.1-12). However, Chapter 2 of the COLA (Table 2.0-1R page 2.0-2) references a site specific extreme wind speed (other than tornado) of 96 mph in 1/100 years.

Using the site specific extreme wind speed and exceedance frequency referenced in Chapter 2 of the COLA:

(1) Please confirm that extreme winds as discussed in Chapter 2 of the US-APWR DCD do not contribute more than 10 percent of the shutdown core damage frequency compared to the US-APWR DC PRA. In this assessment, please consider that the containment equipment hatch could be opened which requires AC power to close. Please also consider that the switchyard could be damaged resulting in a loss of offsite power (LOOP) event that cannot be recovered within 24 hours. Please consider the site impacts of the site specific extreme wind speed on non-safety related structure, system, and components (SSCs).
(2) Please confirm that extreme winds as discussed in Chapter 2 of the DCD do not contribute more than 10 percent of the full power core damage frequency compared to the US-APWR DC PRA. Please also consider that the switchyard could be damaged resulting in a LOOP event that cannot be recovered within 24 hours. Please consider the site impacts of the site specific extreme wind speed on non-safety related SSCs.