PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Wednesday, May 15, 2013 10:55 AM
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; Galvin, Dennis
Subject: Comanche Peak RCOL Chapter 3 - RAI Number 275
Attachments: RAI_7099 (RAI 275).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 **May 15, 2013.**

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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Options
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Request for Additional Information 275 (7099)
Issue Date: 5/15/2013
Application Title: Comanche Peak Units 3 and 4 - Dockets 52-034 and 52-035
Operating Company: Luminant Generation Company, LLC.
Review Section: 03.04.01 - Internal Flood Protection for Onsite Equipment Failures
Application Section: 3.4.1

QUESTIONS

03.04.01-1

US-APWR DCD COL item COL 3.4(3) states “Site-specific flooding hazards from engineered features, such as from cooling water system piping, are to be addressed by the COL applicant". Upon review of the site plan drawings the staff found that there are two 750,000 gallon non-seismic condensate storage tanks (CSTs), surrounded by non-seismic dikes located outside the turbine building which puts them in close proximity of safety-related structures, systems, and components (SSCs). SRP 3.4.1 “internal flood protection for onsite equipment failures” identifies failure of exterior tanks as an area of review. Therefore the staff’s review of internal flooding takes into consideration the effects of potential flooding of SSC’s due to failure of non-seismic and non-tornado protected tanks, vessels, and other process equipment. The applicant does not address the failure of the condensate storage tanks in the supplemental information added to the FSAR to address COL item 3.4(3). However, in addressing COL item 3.4(1) it is stated in the FSAR that

“Entrances to all safety-related structures are above the design-basis flooding level (DBFL) listed in **Section 2.4**, and adequate sloped site grading and drainage prevents flooding caused by probable maximum precipitation (PMP) or postulated failure of non safety-related, non seismic storage tanks located on site.”

Based on the location of the CST relative to the plant, the staff could not confirm the water released from the failure of the CSTs would be drained away from the plant. Also, the COL item in the FSAR addressing failure of these tanks is identified as a standard COL item (SCOL). Since the number and location of condensate storage tanks in the yard are site dependent, the COL item related to this should be a site specific COL item (CP COL).

a. Specifically address the failure of the exterior tanks associated with the condensate storage facilities, (CST, DWST, and PMWTs) in the FSAR, and provide the basis for the conclusion that water released due to failure of these tanks would flow away from the plant and not impact safety-related SSCs.
b. Identify this COL item as a Comanche Peak COL item instead of a Standard COL item since it is based on site specific location of the external tanks.