

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Tuesday, August 11, 2009 8:51 AM
To: cp34-rai-luminant@mnes-us.com; Diane Yeager; Donald.Woodlan@luminant.com; Eric.Evans@luminant.com; John.Only@luminant.com; joseph tapia; Kazuya Hayashi; Matthew.Weeks@luminant.com; MNES RAI mailbox; Russ Bywater
Cc: Ward, William; ComanchePeakCOL Resource
Subject: Comanche Peak RCOL - Section 3.6.2 - RAI 27
Attachments: RAI 2737 (RAI 27).doc

The NRC staff has identified that additional information is needed to continue its review of the combined license application. The staff's request for additional information (RAI) is contained in the attachment.

The response to this RAI is due within 42 calendar days of August 11, 2009.

Note: If changes are needed to the safety analysis report, the NRC staff requests that the RAI response include the proposed wording changes.

thanks,

Stephen Monarque
U. S. Nuclear Regulatory Commission
NRO/DNRL/NMIP
301-415-1544

Hearing Identifier: ComanchePeak_COL_Public
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Request for Additional Information (RAI) No. 2737

RAI No. 27

8/11/2009

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

SRP Section: 03.06.02 - Determination of Rupture Locations and Dynamic Effects Associated with the
Postulated Rupture of Piping
Application Section: SRP 3.6.2

QUESTIONS for Engineering Mechanics Branch 2 (ESBWR/ABWR Projects) (EMB2)

03.06.02-1

Comanche Peak Nuclear Power Plant, Units 3 and 4 (CPNPP) FSAR Section 3.6.4, Combined License Information, states that STD COL item 3.6(1) is addressed in Subsection 3.6.1.3. In Subsection 3.6.1.3, the applicant states that a site-specific pipe break evaluation report will be completed prior to the installation and fabrication of site-specific piping systems or installation of connected components and equipment. Regulatory Guide 1.206, 'Combined License Applications for Nuclear Power Plants (LWR Edition),' (June 2007), which establishes the criteria the NRC staff intends to use to review combine license (COL) applications, provides in Section C.III.4.3, that the applicant should supply the NRC with a schedule for completion of detailed engineering information, in this case, the site-specific as-designed pipe break evaluation report. This information is necessary for the coordination of activities with the NRC construction inspection program if the Commission issues a COL. Therefore, pursuant to 10 CFR 52.79 (d)(3), the applicant is requested to propose a license condition pertaining to the closure schedule of the site-specific as-designed pipe break evaluation report that will allow the coordination of activities with the NRC construction inspection program following issuance of the COL.

FSAR Section 3.6.4, Combined License Information, states that STD COL item 3.6(4) is addressed in Subsection 3.6.2.1. In Subsection 3.6.2.1, the applicant states that, prior to system turnover for testing and operation, as-built inspections will be completed and will be used to verify that the installed piping, support locations, types, component locations are consistent with the design intent. The applicant also states that as-built drawings are produced showing component locations and support locations and types that confirm this consistency. As described in NUREG-0800 'Standard Review Plan Section' 14.3.3, 'Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)' (March 2007), an as-built reconciliation of the pipe break evaluation report is required to be included in the ITAAC and be completed prior to the fuel load as required in 10 CFR 52.99(c)(2). Please revise FSAR Subsection 3.6.2.1, to provide that the as-built reconciliation of the pipe break evaluation report, included in the ITAAC, will be completed prior to the fuel load.