

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Monday, April 08, 2013 9:40 AM
To: ComanchePeakCOL Resource
Subject: RE: Comanche Peak COL FSAR Ch 17 Draft Safety Evaluation

From: Roy, Tarun
Sent: Thursday, April 04, 2013 4:05 PM
To: Conly, John
Cc: Woodlan, Don; Monarque, Stephen; Galletti, Greg; Ciocco, Jeff; Kavanagh, Kerri
Subject: Comanche Peak COL FSAR Ch 17 Draft Safety Evaluation

John,

As agreed, I am sending you the reply from our technical staff regarding your question items 1 and 2. Please track them in your biweekly conference call as action items. If we agree to the statements, then we will revise our P2 SE for chapter 16 for P4 submission to ACRS at a later date.

Luminant's question 1:

Page 17-11 of the draft SE states:

In **RAI 2996, Question 17.5-1**, dated September 25, 2009, the NRC staff requested clarification regarding the expected Mitsubishi Nuclear Energy Systems, Inc. (MNES), and associated sub-suppliers scope of work related to the applicant's COLA design activities from the time of docketing until the time the COL might be issued. In its response letter, dated November 13, 2009, the applicant stated that all COLA development activities associated with CPNPP, Units 3 and 4, are being and will continue to be conducted in accordance with the Nubuild QAPP, and any future parties contracted for work establishing or developing the COLA shall comply with 10 CFR Part 50, Appendix B, and shall meet the latest approved version of American Society of Mechanical Engineers (ASME), "Quality Assurance Program Requirements for Nuclear Facility Applications," ANSI/ASME Standard NQA-1, 1983 (NQA-1). In addition, the applicant proposed to revise CPNPP, Units 3 and 4, COL FSAR Section 17.3 to reflect these requirements.

The only mention of the 1983 version of NQA-1 in TXNB-09065 appears on Attachment 3 page 18 of 75 (PDF page 32/168) of the letter (ML093210468) wherein Luminant identifies conformance and exceptions taken for certain RGs. The letter states:

This regulatory guide [RG 1.28] endorses the basic and supplementary requirements in ANSI/ASME NQA-1-1983, "Quality Assurance Program Requirements for Nuclear Power Plants" and the ANSI/ASME NQA-1a-1983 Addenda along with the regulatory positions discussed below for the establishment and execution of quality assurance programs during the design and construction phases of nuclear power plants. The QAPD provides adequate guidance for establishing a quality assurance program that complies with Appendix B to 10 CFR Part 50 by using ASME NQA standard NQA-1-1994, as supplemented by additional regulatory guidance and industry guidance.

An electronic search for "1983" in FSAR Ch 17 resulted in no hits. We believe the statement in the SE regarding the 1983 version of NQA-1 could be misinterpreted.

NRC reply to question 1:

NRC confirmed that for item 1, the reference in the title to NQA-1 to the 1983 version should read 1994 as this is the version of the NQA-1 standard that the applicant and contractors are using throughout the COLA development activities. As such the paragraph of the SE will be revised to state this as well as remove the reference to the "latest approved" version of the NQA-1 standard.

Luminant's question 2:

Also regarding the words related to RAI 2996 question 17.5-1, we believe the SER is currently okay, but we have a concern that the FSAR or SER could be misinterpreted to apply to sub-contractors. The current words on FSAR page 17.3-1 are:

Luminant has imposed on MNES, a QAP based on ASME NQA-1-1994, "Quality Assurance Requirements for Nuclear Facility Applications" and Nuclear Energy Institute (NEI) 06-14A "Quality Assurance Program Description" (Reference 17.3-201). Luminant oversight of COLA development, engineering, procurement, and construction activities by MNES is provided through reviewing the MNES QAPD, conducting QA audits and surveillances, and participating in project

management activities. **Any future parties contracted for work establishing or developing the COLA shall be required to be compliant to 10CFR50 appendix B and meet latest approved revision of NQA-1 [emphasis added].** When taken in context, the words clearly apply only to contracts with Luminant to develop the COLA. At this time, the only Luminant contract for COLA development is with MNES. The statement in the FSAR would apply only if Luminant were to write a new contract with a party or parties to develop all or a portion of the COLA. Even though the current words in the SER are okay, Luminant may pursue an FSAR update at a later date to clarify the statement to make the meaning clearer.

NRC reply to question 2:

For item 2 likewise the NRC recognized that Luminant has imposed a QAP on its contractors based on the NQA-1-1994 version and as such understands that the last statement made, in part, by Luminant on FSAR page 17.3-1 that **"Any future parties contracted for work establishing or developing the COLA shall be required to be compliant to 10CFR50 appendix B and meet latest approved revision of NQA-1 [emphasis added]."** Refers to the work of developing the COLA in accordance with the NQA-1-1994 version, as committed to by the applicant.

Thanks

Tarun Roy

PM for US-APWR Projects

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