

## PMComanchePeakPEm Resource

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**From:** Monarque, Stephen  
**Sent:** Friday, January 14, 2011 4:36 PM  
**To:** John.Only@luminant.com; Donald.Woodlan@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; Kallan, Paul  
**Subject:** Comanche Peak RCOL Chapter 9 Section 9.5.2 - RAI Number 196  
**Attachments:** RAI 5369 (RAI 196).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 **January 17, 2011**.

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:** 1214

**Mail Envelope Properties** (9C2386A0C0BC584684916F7A0482B6CA1C61AA2177)

**Subject:** Comanche Peak RCOL Chapter 9 Section 9.5.2 - RAI Number 196  
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**Received Date:** 1/14/2011 4:36:18 PM  
**From:** Monarque, Stephen

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RAI 5369 (RAI 196).docx		22731

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

Request for Additional Information (RAI) No. 5369, COLA Revision 1

RAI Letter Number 196

1/14/2011

Comanche Peak Units 3 and 4  
Luminant Generation Company, LLC.  
Docket No. 52-034 and 52-035  
SRP Section: 09.05.02 - Communications Systems  
Application Section: 9.5.2

QUESTIONS for Instrumentation, Controls and Electrical Engineering 1 (AP1000/EPR Projects) (ICE1)

09.05.02-3

Luminant is requested to add information provided in the response to Comanche Peak RAI Letter Number 178 with regards to the Comanche Peak COL FSAR.

10 CFR Part 50 Appendix E(IV)(E), 10 CFR 50.34(f)(2)(xxv), and 10 CFR Part 50.47(a)(8) require, in part, provisions for offsite communications for the onsite operations support center. Generic Letter 80-034 and NUREG-0696 explain NRC requirements for emergency response facilities and the NRC staff uses this guidance to evaluate whether an applicant meets the requirements of 10 CFR Part 50.

US-APWR Design Control Document (DCD), Section 9.5.2.2.5.1 states "Plant offsite communications arrangements are site-specific and are described by the COL applicant," and DCD Section 9.5.2.3 states "The off-site communications systems within the one-site [*sic*] operations support center provide for emergency response following a design basis accident." This is COL Item Number 9.5(8).

In response to RAI 4957 (CP RAI Letter No. 178), Luminant identified the Private Automatic Branch Telephone Exchange (PABX) telephone system as an offsite communications provision. Luminant states "The Operations Support Center (OSC) is equipped with a Private Automatic Branch Telephone Exchange (PABX) system similar to that provided for the Technical Support Center (TSC) and the Emergency Operating Facility (EOF). This PABX telephone system is connected to the offsite commercial telephone system and provides voice and facsimile communications capability for normal and emergency communications between the control room, TSC, EOF, OSC, corporate offices, NRC, state agencies, and county Sheriffs offices. In addition to the PABX system, the plant communication systems for the OSC include the public address system/plant page-party system, the plant radio system, and the sound powered telephone system." Luminant is requested to add this information to the FSAR for the staff to develop its safety conclusion.

09.05.02-4

Luminant is requested to rewrite a sentence in Section 9.5.2.2.2.2 of the COL FSAR to clarify the meaning of the information.

10 CFR 52.79(a)(2) requires “the descriptions shall be sufficient to permit understanding of the system designs and their relationship to the safety evaluations.”

Section 9.5.2.2.2.2 of the FSAR includes the sentence “In emergency offsite communication, as the emergency notification system is connected through a local telephone company system, then a station package is required,” which is unclear to the NRC staff. Luminant is requested to clarify this sentence.

09.05.02-5

Luminant is requested to add information provided in the response to Comanche Peak RAI Letter Number 34 with regards to the Comanche Peak COL FSAR.

10 CFR Part 50 Appendix E(IV)(E), 10 CFR Part 50.47(a)(8) require, in part, communication provisions for the Main Control Room (MCR), Technical Support Center (TSC) and Emergency Operations Facility (EOF).

In its response to RAI 2794 (CP RAI #34), Luminant stated "The CPNPP ENS capability is part of the Federal Telecommunication System (FTS) independent phone link, with extensions in the Main Control Room (MCR), Technical Support Center (TSC) and Emergency Operations Facility (EOF). The FTS extensions in the MCR, TSC and EOF are all part of the emergency communications capability of the Private Automatic Branch Telephone Exchange (PABX)."

Luminant is requested to add this information to the FSAR in order for the staff to develop its safety conclusion.