

## PMComanchePeakPEm Resource

---

**From:** Monarque, Stephen  
**Sent:** Thursday, May 03, 2012 3:24 PM  
**To:** John.Only@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; Otto, Ngoia  
**Subject:** Comanche Peak RCOL Chapter 14- RAI Number 256 -  
**Attachments:** RAI 6456 (RAI 256).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 3, 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  
**Email Number:** 1682

**Mail Envelope Properties** (9C2386A0C0BC584684916F7A0482B6CA6E84D19EEA)

**Subject:** Comanche Peak RCOL Chapter 14- RAI Number 256 -  
**Sent Date:** 5/3/2012 3:24:21 PM  
**Received Date:** 5/3/2012 3:24:25 PM  
**From:** Monarque, Stephen

**Created By:** Stephen.Monarque@nrc.gov

**Recipients:**

"ComanchePeakCOL Resource" <ComanchePeakCOL.Resource@nrc.gov>  
Tracking Status: None  
"Otto, Ngola" <Ngola.Otto@nrc.gov>  
Tracking Status: None  
"John.Only@luminant.com" <John.Only@luminant.com>  
Tracking Status: None  
"Donald.Woodlan@luminant.com" <Donald.Woodlan@luminant.com>  
Tracking Status: None  
"cp34-rai-luminant@mnes-us.com" <cp34-rai-luminant@mnes-us.com>  
Tracking Status: None  
"Eric.Evans@luminant.com" <Eric.Evans@luminant.com>  
Tracking Status: None  
"joseph tapia" <joseph\_tapia@mnes-us.com>  
Tracking Status: None  
"Kazuya Hayashi" <kazuya\_hayashi@mnes-us.com>  
Tracking Status: None  
"Russ Bywater" <russell\_bywater@mnes-us.com>  
Tracking Status: None  
"MNES RAI mailbox (cp34-rai-luminant@mnes-us.com)" <cp34-rai-luminant@mnes-us.com>  
Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	605	5/3/2012 3:24:25 PM
RAI 6456 (RAI 256).docx	20703	

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

Request for Additional Information (RAI) No. 6456, COLA Revision 2

RAI Number 256

5/3/2012

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

SRP Section: 14.02 - Initial Plant Test Program - Design Certification and New License Applicants  
Application Section: 14.2

QUESTIONS for Quality and Vendor Branch 1 (AP1000/EPR Projects) (CQVP)

14.02-20

Based on the NRC staff's review of COL FSAR Section 14.2.12.1.113, "Ultimate Heat Sink (UHS) System Preoperational Test," actual testing of the UHS together with component cooling water system (CCWS), residual heat removal system (RHR), essential service water system (ESWS), and essential chilled water system (ECWS) under a heat load was not found.

The COL applicant is requested to address such testing during hot functional testing (HFT) since the UHS cooling towers are outside the scope of the US-APWR DCD. Specifically, the applicant should consider:

1. How to verify the ability of the UHS in conjunction with the RHRS, ESWS, and CCWS to perform a plant cooldown during hot functional testing. For instance, a cooldown test could be performed while operating all four RCPs and minimizing steam generator cooling.
2. How to verify that the ESWS-UHS has the capacity to remove the UHS peak heat loads, [reference US-APWR-DCD, Table 9.2.5-1] from the CCWS, ECWS, and the ESW pump mechanical work.