



**Luminant**

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Ref. # 10 CFR 52

December 9, 2010

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555  
ATTN: David B. Matthews, Director  
Division of New Reactor Licensing

**SUBJECT:** COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 AND 4  
DOCKET NUMBERS 52-034 AND 52-035  
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION NO. 5250 (SECTION 2)

Dear Sir:

Luminant Generation Company LLC (Luminant) submits herein the response to Request for Additional Information (RAI) No. 5250 (CP RAI #190) for the Combined License Application for Comanche Peak Nuclear Power Plant Units 3 and 4. The RAI involves tornado site parameter values.

Should you have any questions regarding this response, please contact Don Woodlan (254-897-6887, Donald.Woodlan@luminant.com) or me.

There are no commitments in this letter.

I state under penalty of perjury that the foregoing is true and correct.

Executed on December 9, 2010.

Sincerely,

Luminant Generation Company LLC

Rafael Flores

Attachment: Response to Request for Additional Information No. 5250 (CP RAI #190)

DO9D  
NRD

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**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION**

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**Comanche Peak, Units 3 and 4**

**Luminant Generation Company LLC**

**Docket Nos. 52-034 and 52-035**

**RAI NO.: 5250 (CP RAI #190)**

**SRP SECTION: 02 - Site Characteristics and Site Parameters**

**QUESTIONS for Siting and Accident Conseq Branch (RSAC)**

**DATE OF RAI ISSUE: 11/23/2010**

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**QUESTION NO.: 02-1**

NUREG-0800, Section 2.0 states that for an applicant referencing a DC, acceptance is based on the applicant's demonstration that the characteristics of the site fall within the site parameters of the certified design.

The Comanche Peak Nuclear Power Plant COL FSAR Table 2.0-1R presents the site characteristic tornado maximum wind speed and the site characteristic tornado maximum pressure drop values. These values are compared against the site parameter values given in the US-APWR DCD, Revision 2.

The US-APWR DCD, Revision 2, Table 2.0-1 presents values for the following tornado related site parameters:

- Tornado maximum wind speed
- Tornado maximum rotational wind speed
- Tornado maximum translational wind speed
- Radius of maximum rotational speed
- Tornado maximum pressure drop
- Rate of pressure drop

Please update COL FSAR Table 2.0-1R to include a comparison with all of the tornado site parameter values that are presented in the US-APWR DCD, Revision 2.

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**ANSWER:**

FSAR Table 2.0-1R Sheet 1 was updated with the requested values in FSAR Update Tracking Report, Revision 2 (ML101610292).

Impact on R-COLA

None.

Impact on DCD

None.