

September 11, 2012

Mr. Rafael Flores, Senior Vice President
and Chief Nuclear Officer
Nuclear Engineering and Support
Luminant Generation Company, LLC.
P.O. Box 1002
Glen Rose, TX 76043

SUBJECT: COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 AND 4 - COMBINED
LICENSE APPLICATION - SAFETY EVALUATION WITH OPEN ITEMS FOR
CHAPTER 4, "REACTOR"

Dear Mr. Flores:

The U.S. Nuclear Regulatory Commission (NRC) staff is preparing a safety evaluation (SE) with open items (OIs) for each chapter of the Comanche Peak Nuclear Power Plant, Units 3 and 4 - Combined License Application (COLA) submitted by Luminant Generation Company, LLC. (Luminant) and Comanche Peak Nuclear Company, LLC on September 19, 2008, as supplemented by letters dated November 4, 5, 6, and 10, 2008, and December 18, 2008.

The NRC staff's SE with OIs for Chapter 4, "Reactor," is being provided to the Advisory Committee on Reactor Safeguards (ACRS) subcommittee to support an upcoming meeting of the ACRS subcommittee, scheduled to be held on October 18 - 19, 2012.

The Comanche Peak Nuclear Power Plant COLA, Part 2, Chapter 4 entirely incorporates by reference the United States – Advanced Pressurized Water Reactor design certification document, Chapter 4. Therefore, the staff concludes that the enclosed SE does not contain any information for which exemption from public disclosure has been sought or approved or any factual errors.

R. Flores

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If you have any questions or comments concerning this matter, I can be reached at (301) 415-1544 or via e-mail address at Stephen.Monarque@nrc.gov.

Sincerely,

/RA/

Stephen Monarque, Lead Project Manager
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-034 and 52-035

Enclosure:
Chapter 4 Safety Evaluation

cc: w/o encl.: See next

R. Flores

- 2 -

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(Revised 08/14/2012)

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