

September 13, 2012

MEMORANDUM TO: Edwin M. Hackett, Executive Director  
Advisory Committee on Reactor Safeguards

FROM: David B. Matthews, Director **/RA Frank Akstulewicz for/**  
Division of New Reactor Licensing  
Office of New Reactors

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

By letter dated September 19, 2008, as supplemented by letters dated November 4, 5, 6, and 10, 2008, and December 18, 2008, Luminant Generation Company, LLC. (Luminant) and Comanche Peak Nuclear Power Company, LLC., submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two United States - Advanced Pressurized Water Reactor (US-APWR) designs, pursuant to Title 10 of the *Code of Federal Regulations* Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants."

Based on our review of the application, the staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its Safety Evaluation (SE), with Open Items for Chapter 4, "Reactor," (ML12227A505). Unless otherwise stated in the SE, the staff's review was based on Revision 3 of the COL application. The SE is being provided to support an upcoming meeting of the subcommittee of the ACRS scheduled for October 18 - 19, 2012. The ACRS full committee meeting will be held after the subcommittee meeting.

In accordance with the memorandum to the ACRS dated March 17, 2010 (ML100700612), the staff has reviewed the submitted information against the categories for which the ACRS requested be used to highlight information for review by the committee. The staff's assessment of this chapter is that there are no items that meet the categories for discussion with the Committee.

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E. Hackett

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Since the Comanche Peak Nuclear Power Plant COL application Part 2, Chapter 4 entirely incorporates by reference the US-APWR design certification document, Chapter 4, the staff concludes that this SE does not contain any information exempt from public disclosure.

Docket Nos. 52-034 and 52-035

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Docket Nos. 52-034 and 52-035

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<b>NAME</b>	RReyes	CMurphy	SMonarque	ASnyder	DMatthews (FAkstulewicz for)
<b>DATE</b>	08/13/2012	08/08/2012	09/11/2012	09/13/2012	09/13/2012

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