

August 3, 2009

Mr. Don Woodlan
Manager, Nuclear Regulatory Affairs
Luminant Generation Company LLC
P.O. Box 1002
Glen Rose, Texas 76043

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING THE
ENVIRONMENTAL REVIEW OF THE COMBINED LICENSE APPLICATION
FOR COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 AND 4

Dear Mr. Woodlan:

This letter transmits the Nuclear Regulatory Commission (NRC) staff's request for additional information (RAI) concerning Luminant Generation Company, LLC's (Luminant) combined license (COL) application for proposed reactors at the Comanche Peak Nuclear Power Plant (CPNPP) site. This letter supplements the NRC's RAI request in our letter dated June 26, 2009. Consistent with the NRC's review schedule, please provide your response to the RAIs (Enclosure 1) within 30 days of receipt. Your responses should be provided under oath or affirmation in accordance with 10 CFR 52.75.

If you are not able to provide a complete response to the RAI within the 30-day timeframe, please provide a schedule indicating when Luminant intends to respond. Failure to provide a complete response may result in the NRC modifying the environmental review schedule for this application. In addition, any new and significant changes or additions to information that you have already submitted, as a result of your RAI responses, could impact the review schedule.

If you have any questions, I can be reached at (301) 415-6208 or via e-mail at john.fringer@nrc.gov.

Sincerely,

/RA/

John Fringer, Project Manager
Environmental Projects Branch 1
Division of Site and Environmental Reviews
Office of New Reactors

Docket Nos. 52-034 and 52-035

Enclosure: As stated

cc: See next page

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DATE	07/ 16 /09	07/ 17 /09	07/ 27 /09	08/ 03 /09

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LETTER TO D. WOODLAN FROM J. FRINGER DATED August 3, 2009

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING THE ENVIRONMENTA REVIEW OF THE COMBINED LICENSE APPLICATION FOR COMANCHE PEAK NUCLEAT POWER PLANT, UNITS 3 AND 4

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**Requests for Additional Information (RAIs)
Comanche Peak Nuclear Power Plant, Units 3 and 4
Combined License Application**

<i>Item Number</i>	<i>ESRP/ER Section</i>	<i>RAI</i>	<i>Full Text (Supporting Information)</i>		
General (GEN)					
GEN-05	2 [10 CFR 51.41]	Provide the latest electronic version of the figures listed below. Because there may be multiple files and/or layers for each figure, please also provide an index identifying which filename is associated with each figure. If Portable Document Format (PDF) is the only format available for any of the requested figures, then vector-based PDF versions of those figures are requested.			The objective of this request is to obtain the best possible figure files in Enclosure 2 for use in the EIS—figures that reproduce clearly in black-and-white and color, and that can be modified as necessary by our in-house graphics specialists.
		ER Figure 1.1-1	ER Figure 2.3-10	ER Figure 3.1-7	ER Figure 4.4-1
		ER Figure 1.1-2	ER Figure 2.3-13	ER Figure 3.2-1	ER Figure 5.3-1
		ER Figure 1.1-3	ER Figure 2.3-20	ER Figure 3.3-1	ER Figure 5.4-1
		ER Figure 1.1-4	ER Figure 2.3-21	ER Figure 3.4-1	ER Figure 5.4-2
		ER Figure 1.1-5	ER Figure 2.3-31	ER Figure 3.4-2	ER Figure 6.3-1
		ER Figure 2.1-1	ER Figure 2.4-1	ER Figure 3.4-3	ER Figure 6.3-2
		ER Figure 2.2-1	ER Figure 2.4-2	ER Figure 3.4-4	All of the ER Chapter 8 figures
		ER Figure 2.2-2	ER Figure 2.5-2	ER Figure 3.7-1	ER Figure 9.3-2
		ER Figure 2.2-3	ER Figure 2.5-3	ER Figure 3.7-2	Figure 2.5.1-216 from the FSAR
		ER Figure 2.2-4	ER Figure 2.5-5	ER Figure 3.7-4	Figure 2.5.1-219 from the FSAR
		ER Figure 2.3-1	ER Figure 3.1-1	ER Figure 4.1-1	Figure 2.5.1-228 from the FSAR
		ER Figure 2.3-2	ER Figure 3.1-2	ER Figure 4.2-2	
		ER Figure 2.3-5	ER Figure 3.1-3	ER Figure 4.3-1	
In addition, Figures 1, 2, and 3 from Enercon 2009, as cited in the list of references in GEN-06 (below), are also requested.					

Item Number	ESRP/ER Section	RAI	Full Text (Supporting Information)
GEN-06	2 [10 CFR 51.41]	Provide the documents referenced below. (Bio-West 2008a) <i>Squaw Creek Reservoir Characterization Study Final Report</i> . Bio-West, Inc, Round Rock, Texas. March. (cited in ER Section 2.4.3) (Bio-West 2008b) <i>Lake Granbury Characterization Study Final Report</i> . Bio-West, Inc, Round Rock, Texas. March. (cited in ER Section 2.4.3) (BRAZOS G 2006) <i>Potentially Occurring Species that are Rare or Federal- and State-Listed at the City of Wheeler Branch Off-Channel Reservoir Site, Somervell County</i> . Brazos G Regional Water Plan. Brazos G Water Planning Group. http://www.brazosgwater.org/229.html . Accessed December 2007. (cited in ER Section 9.3) (CPSES 2007) <i>CPSES Station Administration Manual</i> , Procedure No. STA-629. January 1, 2007. (cited in ER Section 3.7) (DeShazo, Starek & Tang, Inc. 1987) <i>Transportation and Traffic Engineering Study for the Comanche Peak Steam Electric Station</i> . Prepared for Texas Utilities Generating Company. October 22. (Cited in ER Section 4.4.1.3) (Enercon 2009) Wetland and other potentially jurisdictional waterbody identification and delineation, Comanche Peak Nuclear Power Plant. No. TXUT-001-PR-015. (ERCOT 2007b) <i>Electric Reliability Council of Texas. Recommended Changes to the ERCOT Reserve Margin Calculation Methodology</i> . Generation Adequacy Task Force Report to TAC. March 7, 2007. (from ER Section 8.4.6) (ERCOT 2007c) Electric Reliability Council of Texas. <i>Load Participation</i> . Accessed February 2008. (from ER Section 8.4.6) (ERCOT 2007f) Electric Reliability Council of Texas. <i>ERCOT Protocols, Section 6: Ancillary Services</i> . http://www.ercot.com/mktrules/protocols/current/06-080107.doc , accessed on August 2, 2007. (from ER Section 8.4.6) URL does not appear to currently be active. (FEMA 1988) Federal Emergency Management Agency, <i>Flood Insurance Rate Map, Community-Panel Numbers 480356 0125 B, 480356 0140 B, and 480356 0175 B</i> , Dated October 18, 1988. (cited in ER Section 4.2) (Foster 1995) <i>Comanche Peak Steam Electric Station Units 1 and 2 316 (b) Demonstration</i> . Foster Wheeler Environmental Corporation for Texas Utilities Electric Company. Glen Rose, Texas. (cited in ER Section 2.4.3)	These references from the ER and/or Electronic Reading Room must be placed on the docket for citation and reference in the EIS.

FSAR Reference 2.5-347: Pollastro, R.M., et al., Geologic framework of the Mississippian Barnett Shale, Barnett-Paleozoic total petroleum system, Bend arch-Fort Worth Basin, Texas. AAPG Bulletin, 2007. 91(4): p. 405-436

FSAR Reference 2.4-208: Brazos G 2006 Regional Water Plan. Brazos G Regional Water Planning Group, January 2006.

FSAR Reference 2.4-217: Annual Water Use Report for Comanche Peak Steam Electric Station, Texas Commission on Environmental Quality, December 2006.

Geologic Atlas of Texas, USGS, 2005 (cited as source for FSAR Figure 2.5.1-216)

(Hellier 1981) *Fish Survey of Squaw Creek Reservoir*. Prepared for Texas Utilities Generating Company by The University of Texas Arlington, Texas. (cited in ER Section 2.4.3)

(Hellier 1987) *Final Report on Squaw Creek reservoir Preoperational Monitoring Program*. Prepared for Texas Utilities Generating Company by The University of Texas Arlington, Texas. (cited in ER Section 2.4.3)

(Lasher 2007) Lasher, W. *Analysis of Target Reserve Margin for ERCOT*, January 12, 2007. http://www.ercot.com/meetings/gatf/keydocs/2007/20070112-GATF/GATF_LOLP_Presentation_1_12_07_as_presented.ppt#360,15, Generic Coal Additions, accessed on August 2, 2007. (from ER Section 8.4.6) **URL does not appear to currently be active !**

(Mitchell 1993) *Survey Report for Lake Granbury*. Statewide Freshwater Fisheries Monitoring and Management Program Federal Aid in Sport Fish Restoration Act Texas Parks and Wildlife Department, Project F-30-R. (cited in ER Section 2.4.3)

(NERC 2007) North American Electric Reliability Corporation. *2007 Long Term Reliability Assessment*. Version 1.1, October 25, 2007. ftp://www.nerc.com/pub/sys/all_updl/docs/pubs/LTRA2007.pdf. Accessed December 2007. (from ER Section 8.4.6) **URL does not appear to currently be active.**

(Oncor 2008) Oncor Electric Delivery Company LLC, *Final Steady-State Analysis Report, Luminant Generation Company LLC GIR 15INR0002*, January 14, 2008.

(Oncor 2008) *Facilities Study Report for the Addition of Luminant Generation Company, LLC 3280 MW Generation Facility at Oncor Electric Delivery Company LLC CPNPP Units 3 and 4 Switching Station in Somervell County, Texas*, June 13, 2008 and Draft Attachment "A" to Facilities Study Report Generation Interconnection Request - 15INR0002 Luminant Generation Company LLC - Somervell County, June 13, 2008. (cited in ER Section 3.7)

(Oncor 720-003) Oncor Transmission Engineering Standard 720-003, *Construction Spec for T-Line ROW Clearing*, August 7, 2007. (cited in ER Section 3.7)

(Oncor 730-001) Oncor Transmission Engineering Standard, *Lattice Steel Transmission Structures*, May 2, 2007.

(cited in ER Section 3.7)

(Oncor TLD&RM) *Oncor Transmission Engineering Standard TLD & RM*, May 14, 2007. (cited in ER Section 3.7)

(PBS&J 2007) *Golden-Cheeked Warbler Bird Survey Report (for) TXU Power, Comanche Peak Power Plant, Somervell County, Texas*. Prepared for TXU Power, 1601 Bryan Street, Dallas, Texas 75201 by PBS&J, 18383 Preston Road, Suite 110, Dallas, Texas 75252. May.

(TCEQ 2004) Texas Commission on Environmental Quality, *Texas Pollutant Discharge Elimination System Permit, TXU, Comanche Peak Steam Electric Station*, TXU Permit Number 01854, April 2004. (cited in ER Section 4.2)

(TCEQ 2006) Texas Commission on Environmental Quality. *Annual Water Use Report for Comanche Peak Steam Electric Station*, December 2006. (cited in ER Section 5.2)

(TCEQ 2008) *Texas Surface Water Quality Standards*. Texas Administrative Code (TAC), Title 30 (Environmental Quality), Part 1 (Texas Commission on Environmental Quality), Chapter 307, Rule §307.10 (Appendix A). (cited in ER Section 5.2)

(TPWD 2007q) Letter from C. Brancel, Texas Parks and Wildlife, Austin, TX, concerning rare, threatened, and endangered species, to W.P. Wenstrom of Enercon, Trinidad, CO. 3 August 2007 letter to Enercon

TRB (Transportation Research Board). 2000. *Highway Capacity Manual*. The National Academies. Washington, D.C. (Cited in ER Section 4.4.13)

URS Washington Division Preliminary Calculation (No. RDW-25-100-001, Revision A) of Blowdown Treatment Process Salt Accumulation (Volume of Solid Waste) NRC ER Audit Issue No. LU-109, March 2009. (Included in on-line Reading Room documents)

(USFWS 2006a) Letter from T.J. Cloud, USFWS Arlington, TX, number 21420-2007-I-0069, to W.P. Wenstrom of Enercon, Trinidad, CO. 4 December 2006.

(USGS 1979, 1980) Hill City and Nemo, Texas 7.5 Minute Series Topographic Map. U.S. Geological Survey, Washington, DC. (cited in ER Section 2.4.3)

(WRE 1973) Water Resource Engineers, Inc. 1973 *An Analysis of the Squaw Creek Reservoir Blowdown Plumes on Lake Granbury*. (cited in ER Section 5.3)

Item Number	ESRP/ER Section	RAI	Full Text (Supporting Information)
Water Quality and Use, Hydrology, and Geohydrology (HYD)			
HYD-21a	6.4-1 [ESRP 4.2 and 5.2; 10 CFR 51.70(b)]	Provide the CPNPP 1 & 2 Groundwater Sampling Program that is referenced in the response to HYD-11* in the online Reading Room.	From the Reading Room response to HYD-11*, this is a procedure that apparently is to be expanded for Units 3 and 4, and thus needs to be referenced. It also needs to be provided on the docket for the purpose of citation and reference in the EIS. This RAI supplements HYD-21 in our letter dated June 26, 2009.
HYD-06a	3.4.2-2 [ESRP 4.2 and 5.2; 10 CFR 51.70(b)]	Provide the “attached CPNPP Water Level Chart” that includes “18 months of groundwater elevation measurements collected from November 2006 to May 2008” that is referenced in the response to HYD-12* in the online Reading Room.	This attachment is not in the online Reading Room and needs to be provided on the docket for the purpose of citing in the EIS. This RAI supplements HYD-06 in our letter dated June 26, 2009.
HYD-24	6.1-1 [ESRP 4.2 and 5.2; 10 CFR 51.70(b)]	Provide the following documents listed in the response to HYD-42* in the online Reading Room: <ul style="list-style-type: none"> • HDR-00075935-08, Luminant Power Water Supply from the Brazos River Authority • Impacts of Comanche Peak Nuclear Power Units 3 and 4 Operations on Downstream Water Quality, 4/30/2009 	These documents need to be provided on the docket for citation and reference in the EIS.

*These numbers correspond to those of the Information Needs from the CPNPP Site Audit.