UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 EAST LAMAR BLVD
ARLINGTON, TEXAS 76011-4511

March 4, 2013

Rafael Flores, Senior Vice President
and Chief Nuclear Officer
Luminant Generation Company, LLC
Comanche Peak Nuclear Power Plant
P.O. Box 1002
Glen Rose, TX 76043

SUBJECT: ANNUAL ASSESSMENT LETTER FOR COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 1 AND 2 (REPORT 05000445/2012801 AND 05000446/2012801)

Dear Mr. Flores:

On February 12, 2013, the NRC completed its end-of-cycle performance review of Comanche Peak Nuclear Power Plant, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Comanche Peak Nuclear Power Plant, Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Comanche Peak Nuclear Power Plant, Units 1 and 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Please contact me at 817-200-1148 with any questions you have regarding this letter.

Sincerely,

Wayne C. Walker
Chief, Reactor Projects Branch A
Division of Reactor Projects

Docket Nos. 05000445, 05000446
License Nos. NPF-87, NPF-89

Enclosure:
Comanche Peak Nuclear Power Plant Inspection Plan/Activity Plan

Comanche Peak
Inspection / Activity Plan
03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			EXAM	**- INITIAL LICENSED OPERATOR EXAM**	5
1	03/04/2013	03/08/2013	X02501	INITIAL EXAM UNIT 1 CP 4/1/2012)	
1	04/01/2013	04/12/2013	X02501	INITIAL EXAM UNIT 1 CP 4/1/2012)	
			2515/182	**- UNDERGROUND PIPING PHASE 1**	2
1, 2	01/01/2013	06/30/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			2515\188	**- SEISMIC WALKDOWNS**	2
1, 2	01/01/2013	12/31/2013	IP 2515/188	Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	
			PSB2	**- RADIATION SAFETY**	2
1, 2	04/01/2013	04/05/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/01/2013	04/05/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2	04/01/2013	04/05/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	04/01/2013	04/05/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			PSB2-ISI	**- INSERVICE INSPECTION**	2
1	04/01/2013	04/12/2013	IP 7111108P	Inservice Inspection Activities - PWR	
			EB1-21	**- COMPONENT DESIGN BASIS INSPECTION**	6
1, 2	05/20/2013	06/21/2013	IP 7111121	Component Design Bases Inspection	
			EB2-MSO	**- CORRECTIVE ACTIONS FOR MSO'S**	2
1, 2	09/09/2013	09/13/2013	IP 71152-Reviews	In-depth Reviews	
			EP-3	**- EP PERFORMANCE INDICATORS**	1
1, 2	10/07/2013	10/11/2013	IP 71151-EP01	Drill/Exercise Performance	
1, 2	10/07/2013	10/11/2013	IP 71151-EP02	ERO Drill Participation	
1, 2	10/07/2013	10/11/2013	IP 71151-EP03	Alert & Notification System	
			EP1	**- BIENNIAL EXERCISE INSPECTION**	5
1, 2	10/07/2013	10/11/2013	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
			PI&R 52B	**- BIENNIAL PI&R**	4
1, 2	10/21/2013	10/25/2013	IP 71152B	Problem Identification and Resolution	
1, 2	11/04/2013	11/08/2013	IP 71152B	Problem Identification and Resolution	
			PSB2-RP	**- RADIATION SAFETY**	2
1, 2	12/09/2013	12/13/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	12/09/2013	12/13/2013	IP 71124.04	Occupational Dose Assessment	
			EB2-05T	**- TRIENNIAL FIRE PROTECTION INSPECTION**	4
1, 2	01/27/2014	01/31/2014	IP 7111105T	Fire Protection [Triennial]	
1, 2	02/10/2014	02/14/2014	IP 7111105T	Fire Protection [Triennial]	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Comanche Peak
Inspection / Activity Plan
03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start	End	Inspection Activity	Title	No. of Staff on Site
			RS12	**- RADIATION SAFETY**	**2**
1, 2	04/07/2014	04/11/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/07/2014	04/11/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/07/2014	04/11/2014	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	04/07/2014	04/11/2014	IP 71151-PR01	RETS/ODCM Radiological Effluent	

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