UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BLVD, SUITE 400
ARLINGTON, TEXAS 76011-4125

September 1, 2010

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: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN – COMANCHE PEAK NUCLEAR POWER PLANT

Dear Mr. Flores:

On August 10, 2010, the NRC staff completed its performance review of the Comanche Peak Nuclear Power Plant for the first half of the calendar year 2010 assessment cycle. Our technical staff reviewed performance indicators for the most recent quarter and inspection results over the previous 12 months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only – Security-Related Information," will include the security cornerstone review and resultant inspection plan.

At both units, plant performance for the most recent quarter was within the Licensee Response Column of the NRC's action matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green).

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2011. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 9 months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records 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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 817-860-8148 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

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

Docket: 50-445, 50-446
License: NPF-87, NPF-89

Enclosure: Comanche Peak Nuclear Power Plant
Inspection/Activity Plan

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R:_Reactors\EOC and Midcycle\Midcycle Assessment Letters\2010

ADAMS: ☐ No ☒Yes	☒SUNSI Review Complete	Reviewer Initials: WCW
	☒ Publicly Available	☒ Non-Sensitive
	☐ Non-publicly Available	☐ Sensitive

C:DRP/A	D:DRS	AD:DRP	C:DRP/A
WWalker	RCaniano	TVegel	WWalker
/RA/	**/RA/**	**/RA/**	**/RA/**
8/23/10	8/24 /10	8/24/10	8/24/10

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Comanche Peak
Inspection / Activity Plan
07/01/2010 - 12/31/2011

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			EXAM	**- INITIAL EXAM RETAKE**	2
1	07/06/2010	07/09/2010	X02461	RETAKE-EXAM UNIT 1 CP	
2	07/06/2010	07/09/2010	X02462	RETAKE EXAM-UNIT 2 CP	
			BRQ	**- OPERATOR REQUAL INSPECTION**	2
1, 2	11/29/2010	12/03/2010	IP 7111111B	Licensed Operator Requalification Program	
			RS678	**- RADIATION SAFETY TEAM INSPECTION**	3
1, 2	12/06/2010	12/10/2010	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	12/06/2010	12/10/2010	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	12/06/2010	12/10/2010	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			EXAM	**- INITIAL OPERTOR EXAM**	4
1	05/09/2011	05/13/2011	X02469	INITIAL EXAM - UNIT 1 - CP (06/2011)	
1	05/09/2011	05/13/2011	X02469	INITIAL EXAM - UNIT 1 - CP (06/2011)	
2	05/09/2011	05/13/2011	X02470	INITIAL EXAM - UNIT 2 - CP (06/2011)	
2	05/09/2011	05/13/2011	X02470	INITIAL EXAM - UNIT 2 - CP (06/2011)	
			EB2-05T	**- TRIENNIAL FIRE PROTECTION**	1
1, 2	01/31/2011	02/04/2011	IP 7111105T	Fire Protection [Triennial]	
1, 2	02/14/2011	02/18/2011	IP 7111105T	Fire Protection [Triennial]	
			RS45	**- RADIATION SAFETY DOSE ASS. & INSTRUMENT**	3
1, 2	02/07/2011	02/11/2011	IP 71124.04	Occupational Dose Assessment	
1, 2	02/07/2011	02/11/2011	IP 71124.05	Radiation Monitoring Instrumentation	
			PSB2-08P	**- INSERVICE INSPECTION - U2**	3
2	04/04/2011	04/15/2011	IP 7111108P	Inservice Inspection Activities - PWR	
			EP1	**- BIENNIAL EP EXERCISE INSPECTION**	3
1, 2	08/01/2011	08/05/2011	IP 7111401	Exercise Evaluation	
1	08/01/2011	08/05/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	08/01/2011	08/05/2011	IP 71151-EP01	Drill/Exercise Performance	
1, 2	08/01/2011	08/05/2011	IP 71151-EP02	ERO Drill Participation	
1, 2	08/01/2011	08/05/2011	IP 71151-EP03	Alert & Notification System	
			TSB-52B	**- BIENNIAL PI&R**	1
1, 2	07/18/2011	08/05/2011	IP 71152B	Identification and Resolution of Problems	
			RS123	**- RADIATION SAFETY**	2
1, 2	09/12/2011	09/16/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/12/2011	09/16/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/12/2011	09/16/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/12/2011	09/16/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	

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

Comanche Peak
Inspection / Activity Plan
07/01/2010 - 12/31/2011

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			RS123	**- RADIATION SAFETY**	2
1, 2	09/12/2011	09/16/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			PSB2-08P	**- INSERVICE INSPECTION - U1**	1
1	10/03/2011	10/21/2011	IP 7111108P	Inservice Inspection Activities - PWR	
			EB1-07	**- TRIENNIAL HEAT SINK PERFORMANCE**	1
1, 2	11/14/2011	11/18/2011	IP 7111107T	Heat Sink Performance	

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