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

September 2, 2008

Mike Blevins, Executive Vice President
and Chief Nuclear Officer
Luminant Generation Company LLC
ATTN: Regulatory Affairs
Comanche Peak Steam Electric Station
P.O. Box 1002
Glen Rose, TX 76043

SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - COMANCHE PEAK STEAM ELECTRIC STATION

Dear Mr. Blevins:

On August 5, 2008, the NRC staff completed its performance review of the Comanche Peak Steam Electric Station for the first half of the calendar year 2008 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.

Plant performance for the most recent quarter at Comanche Peak Unit 1 was within the Regulatory Response column of the NRC's Action Matrix based on one violation of low to moderate safety significance (White). A 95001 supplemental inspection was conducted in the second quarter of 2008 for this issue with no findings identified.

Plant performance for the most recent quarter at Comanche Peak Unit 2 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).

Therefore, we plan to conduct reactor oversight process baseline inspections at your facility. The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 2009. 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 nine 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,

Dwight D. Chamberlain

Dwight D. Chamberlain, Director
Division of Reactor Projects

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

Enclosure: Comanche Peak Inspection/ Activity Plan

cc w/Enclosure
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SUNSI Review Completed: ___ ADAMS: ☑ Yes ☐ No Initials: ___
☑ Publicly Available ☐ Non-Publicly Available ☐ Sensitive ☐ Non-Sensitive

R:_REACTORS\EOC and Midcycle\Midcyle Assessment Letters\2008\CP.doc ML

C:SPE:DRP/A	C:DRP/A	D:DRS	D:DRP	C:DRP/A ~~signature~~
GLGuerra	CEJohnson	RJCaniano	DDChamberlain	CEJohnson
/RA/				
8/12/08	8/14/08	8/21/08	8/27/08	8/21/08

OFFICIAL RECORD COPY T=Telephone E=E-mail F=Fax

Comanche Peak 1
Inspection / Activity Plan
09/01/2008 - 12/31/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB1-08	**- U1 INSERVICE INSPECTION**	**2**			
1	IP 2515/172	Reactor Coolant System Dissimiliar Metal Butt Welds		09/29/2008	10/10/2008	Generic Safety Inspecti
1	IP 7111108P	Inservice Inspection Activities - PWR		09/29/2008	10/10/2008	Baseline Inspections
	RP-ORS3	**- OCCUPATIONAL RADIATION SAFETY - ALARA**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/20/2008	10/24/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/20/2008	10/24/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		10/20/2008	10/24/2008	Baseline Inspections
	REQUAL	**- BIENNIAL REQUAL**	**3**			
1	IP 7111111B	Licensed Operator Requalification Program		11/17/2008	11/21/2008	Baseline Inspections
	EB2-07T	**- TRIENNIAL HEAT SINK INSPECTION**	**1**			
1	IP 7111107B	Heat Sink Performance		01/12/2009	01/16/2009	Baseline Inspections
	EB1-17T	**- 50.59 PERM MODS**	**2**			
1	IP 7111117	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		02/02/2009	02/13/2009	Baseline Inspections
	EXAM	**- INITIAL EXAM**	**4**			
1	X02407	INITIAL EXAM UNIT 1-CP (3/2009)		02/23/2009	02/27/2009	Not Applicable
1	X02407	INITIAL EXAM UNIT 1-CP (3/2009)		03/30/2009	04/03/2009	Not Applicable
	EP1	**- EP EXERCISE INSPECTION**	**3**			
1	IP 2515/175	Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review		04/06/2009	04/10/2009	Baseline Inspections
1	IP 7111401	Exercise Evaluation		04/06/2009	04/10/2009	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/06/2009	04/10/2009	EP Baseline Inspection
1	IP 71151	Performance Indicator Verification		04/06/2009	04/10/2009	Baseline Inspections
	PSB2-52B	**- BIENNIAL PI&R INSPECTION**	**5**			
1	IP 71152B	Identification and Resolution of Problems		07/27/2009	08/01/2009	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		08/10/2009	08/14/2009	Baseline Inspections
	RP-ORS4	**- OCCUPATIONAL RADIATION SAFETY**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/05/2009	10/09/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/05/2009	10/09/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/05/2009	10/09/2009	Baseline Inspections
	RP-ORS5	**- OCCUPATIONAL RADIATION SAFETY - ALARA**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		11/16/2009	11/20/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		11/16/2009	11/20/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/16/2009	11/20/2009	Baseline Inspections

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

Comanche Peak 2
Inspection / Activity Plan
09/01/2008 - 12/31/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	RP-ORS3	**- OCCUPATIONAL RADIATION SAFETY - ALARA**	**1**			
2	IP 7112101	Access Control to Radiologically Significant Areas		10/20/2008	10/24/2008	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		10/20/2008	10/24/2008	Baseline Inspections
2	IP 71151-OR01	Occupational Exposure Control Effectiveness		10/20/2008	10/24/2008	Baseline Inspections
	REQUAL	**- BIENNIAL REQUAL**	**3**			
2	IP 7111111B	Licensed Operator Requalification Program		11/17/2008	11/21/2008	Baseline Inspections
	EB2-07T	**- TRIENNIAL HEAT SINK INSPECTION**	**1**			
2	IP 7111107B	Heat Sink Performance		01/12/2009	01/16/2009	Baseline Inspections
	EB1-17T	**- 50.59 PERM MODS**	**2**			
2	IP 7111117	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		02/02/2009	02/13/2009	Baseline Inspections
	EXAM	**- INITIAL EXAM**	**4**			
2	X02408	INITIAL EXAM UNIT 2-CP (3/2009)		02/23/2009	02/27/2009	Not Applicable
2	X02408	INITIAL EXAM UNIT 2-CP (3/2009)		03/30/2009	04/03/2009	Not Applicable
	EP1	**- EP EXERCISE INSPECTION**	**3**			
2	IP 2515/175	Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review		04/06/2009	04/10/2009	Baseline Inspections
2	IP 7111401	Exercise Evaluation		04/06/2009	04/10/2009	EP Baseline Inspection
2	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/06/2009	04/10/2009	EP Baseline Inspection
2	IP 71151	Performance Indicator Verification		04/06/2009	04/10/2009	Baseline Inspections
	PSB2-52B	**- BIENNIAL PI&R INSPECTION**	**5**			
2	IP 71152B	Identification and Resolution of Problems		07/27/2009	08/01/2009	Baseline Inspections
2	IP 71152B	Identification and Resolution of Problems		08/10/2009	08/14/2009	Baseline Inspections
	EB1-08	**- U2 INSERVICE INSPECTION**	**2**			
2	IP 2515/172	Reactor Coolant System Dissimiliar Metal Butt Welds		10/03/2009	10/22/2009	Generic Safety Inspecti
2	IP 7111108P	Inservice Inspection Activities - PWR		10/03/2009	10/22/2009	Baseline Inspections
	RP-ORS4	**- OCCUPATIONAL RADIATION SAFETY**	**1**			
2	IP 7112101	Access Control to Radiologically Significant Areas		10/05/2009	10/09/2009	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		10/05/2009	10/09/2009	Baseline Inspections
2	IP 71151	Performance Indicator Verification		10/05/2009	10/09/2009	Baseline Inspections
	RP-ORS5	**- OCCUPATIONAL RADIATION SAFETY - ALARA**	**1**			
2	IP 7112101	Access Control to Radiologically Significant Areas		11/16/2009	11/20/2009	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		11/16/2009	11/20/2009	Baseline Inspections
2	IP 71151	Performance Indicator Verification		11/16/2009	11/20/2009	Baseline Inspections

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