



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

March 4, 2011

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 05000445/2011001 AND 05000446/2011001)**

Dear Mr. Flores:

On February 10, 2011, 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, 2010, through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

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, 2012. 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. Temporary Instruction 2515/177 Inspection, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems," which remains to be scheduled, will be completed during the 2011 or 2012 calendar year. Regional personnel will contact you to establish an appropriate time for this activity.

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 817-860-8148 with any questions you have regarding this letter.

Sincerely,

A handwritten signature in black ink, appearing to read "Wayne Walker". The signature is written in a cursive style with a long horizontal stroke at the end.

Wayne Walker, Chief  
Project Branch A  
Division of Reactor Projects

Docket Nos. 50-445: 50-446  
License Nos. NPF-87; NPF-89

Enclosure:  
Comanche Peak Nuclear Power Plant, Units 1 and 2 Inspection/Activity Plan

cc: Distribution via ListServ

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	05/09/2011 05/13/2011	<b>EXAM</b> X02469	<b>- INITIAL OPERATOR EXAM</b> INITIAL EXAM - UNIT 1 - CP (06/2011)	4
2	05/09/2011 05/13/2011	X02470	INITIAL EXAM - UNIT 2 - CP (06/2011)	
1	06/06/2011 06/15/2011	X02469	INITIAL EXAM - UNIT 1 - CP (06/2011)	
2	06/06/2011 06/15/2011	X02470	INITIAL EXAM - UNIT 2 - CP (06/2011)	
2	03/28/2011 04/08/2011	<b>PSB2-08P</b> IP 7111108P	<b>- INSERVICE INSPECTION - U2</b> Inservice Inspection Activities - PWR	2
1,2	07/11/2011 07/15/2011	<b>TSB-52B</b> IP 71152B	<b>- BIENNIAL PI&amp;R</b> Identification and Resolution of Problems	4
1,2	07/25/2011 07/29/2011	IP 71152B	Identification and Resolution of Problems	
1,2	08/01/2011 08/05/2011	<b>EP1</b> IP 7111401	<b>- BIENNIAL EP EXERCISE INSPECTION</b> Exercise Evaluation	3
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	Performance Indicator Verification	2
1,2	09/12/2011 09/16/2011	<b>RS123</b> IP 71124.01	<b>- RADIATION SAFETY</b> 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	
1,2	09/12/2011 09/16/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	2
1	10/03/2011 10/14/2011	<b>PSB2-08P</b> IP 7111108P	<b>- INSERVICE INSPECTION - U1</b> Inservice Inspection Activities - PWR	1
1,2	11/14/2011 11/18/2011	<b>EB1-07</b> IP 7111107T	<b>- TRIENNIAL HEAT SINK PERFORMANCE</b> Heat Sink Performance	2
1,2	02/20/2012 03/02/2012	<b>EB1-17T</b> IP 7111117T	<b>- 50.59 &amp; PERM PLANT MODS</b> Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1,2	02/20/2012 03/02/2012	IP 7111117T-chng/tst	change/test/evaluations	
1,2	02/20/2012 03/02/2012	IP 7111117T-evals	evaluations	
1,2	02/20/2012 03/02/2012	IP 7111117T-permmod	permanent mods	

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