



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

September 1, 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: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –
COMANCHE PEAK NUCLEAR POWER PLANT – UNITS 1 and 2**

Dear Mr. Flores:

On August 16, 2011, the NRC completed its mid-cycle performance review of Comanche Peak Nuclear Power Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2010 through June 30, 2011. 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.

Overall, Comanche Peak Nuclear Power Plant operated in a manner that preserved public health and safety and fully met all cornerstone objectives. The NRC determined the performance at Comanche Peak Nuclear Power Plant 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 December 31, 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 end-of-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.

In the days following the Fukushima Dai-ichi nuclear accident in Japan, the Commission directed the staff to establish a senior-level agency task force to conduct a methodical and systematic review of the NRC's processes and regulations to determine whether the agency should make additional improvements to its regulatory system. The NRC has since completed Temporary Instruction (TI) 183, "Follow-up to Fukushima Dai-ichi Nuclear Station Fuel Damage

Event," and TI-184, "Availability and Readiness Inspection of Severe Accident Management Guidelines (SAMGs)" at your facility. Results of these inspections can be found here: <http://www.nrc.gov/japan/japan-activities.html>. Additionally, on May 11, 2011, the agency issued NRC Bulletin 2011-01, "Mitigating Strategies," to confirm compliance with Order EA-02-026, subsequently imposed license conditions, and 10 CFR 50.54(hh)(2), and to determine the status of licensee mitigating strategies programs. On July 12, 2011, the NRC's Task Force made its recommendations to the Commission in its report, "Recommendations for Enhancing Reactor Safety in the 21st Century: The Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident." The Commission is currently reviewing the Task Force's recommendations to determine whether additional actions may be warranted.

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).

Please contact me at 817-860-8148 with any questions you have regarding this letter.

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

Distribution via ListServe

Comanche Peak

Inspection / Activity Plan

09/01/2011 - 12/31/2012

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	09/12/2011 09/16/2011	RS3 - RADIATION SAFETY IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	1
1	10/03/2011 10/14/2011	PSB2-08P - INSERVICE INSPECTION - U1 IP 7111108P	Inservice Inspection Activities - PWR	2
1	05/14/2012 05/18/2012	EXAM - INITIAL OPERATOR EXAM X02484	INITIAL EXAM - UNIT 1 - CP (04/2012)	3
2	05/14/2012 05/18/2012	X02485	INITIAL EXAM - UNIT 2 - CP (04/2012)	
1	06/11/2012 06/15/2012	X02484	INITIAL EXAM - UNIT 1 - CP (04/2012)	
2	06/11/2012 06/15/2012	X02485	INITIAL EXAM - UNIT 2 - CP (04/2012)	
1, 2	10/03/2011 10/07/2011	RS12 - RADIATION SAFETY IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
1, 2	10/03/2011 10/07/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/03/2011 10/07/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/03/2011 10/07/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	
1, 2	11/14/2011 11/18/2011	EB1-07 - TRIENNIAL HEAT SINK PERFORMANCE IP 7111107T	Heat Sink Performance	1
1, 2	03/26/2012 04/06/2012	EB1-17T - 50.59 & PERM PLANT MODS IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	2
1, 2	03/26/2012 04/06/2012	IP 7111117T-chng/fst	change/test/evaluations	
1, 2	03/26/2012 04/06/2012	IP 7111117T-evals	evaluations	
1, 2	03/26/2012 04/06/2012	IP 7111117T-permmod	permanent mods	
1, 2	09/24/2012 09/28/2012	EP-1 - BIENNIAL EP PROGRAM INSPECTION IP 7111402	Alert and Notification System Testing	1
1, 2	09/24/2012 09/28/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	09/24/2012 09/28/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	09/24/2012 09/28/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	09/24/2012 09/28/2012	IP 71151-EP01	Drill/Exercise Performance	
1, 2	09/24/2012 09/28/2012	IP 71151-EP02	ERO Drill Participation	
1, 2	09/24/2012 09/28/2012	IP 71151-EP03	Alert & Notification System	
1, 2	10/15/2012 10/19/2012	RS12 - RADIATION SAFETY IP 71124.01	Radiological Hazard Assessment and Exposure Controls	2
1, 2	10/15/2012 10/19/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/15/2012 10/19/2012	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/15/2012 10/19/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	

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

Inspection / Activity Plan

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09/01/2011 - 12/31/2012

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Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
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			RS5678 - RADIATION SAFETY TEAM INSPECTION		4
1, 2	12/03/2012	12/07/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	12/03/2012	12/07/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	12/03/2012	12/07/2012	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	12/03/2012	12/07/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	

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