



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION IV  
1600 E. LAMAR BLVD.  
ARLINGTON, TX 76011-4511

March 4, 2015

Mr. 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 05000445/2014001 and 05000446/2014001)**

Dear Mr. Flores:

On February 17, 2015, the Nuclear Regulatory Commission (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, 2014, through December 31, 2014. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections.

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, 2016. 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. This inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to

R. Flores

- 2 -

Reliable Spent Fuel Pool Instrumentation” is ongoing. This audit includes an onsite component in order for the NRC to evaluate mitigating strategies as described in licensee submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to the first unit at each site achieving compliance with the Orders, and will aid staff in development of a Safety Evaluation for the site. The onsite component at your site has been scheduled for the week of April 27, 2015. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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,

/RA/

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

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

Enclosure:  
Inspection Plan

**Comanche Peak**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>EXAMS - INITIAL OPERATOR EXAM</b>					<b>5</b>
1	05/04/2015	05/08/2015	X02552	INITIAL EXAM CP UNIT 1(6/2015)	
2	05/04/2015	05/08/2015	X02553	INITIAL EXAM CP UNIT 2 (6/2015)	
1	06/01/2015	06/15/2015	X02552	INITIAL EXAM CP UNIT 1(6/2015)	
2	06/01/2015	06/15/2015	X02553	INITIAL EXAM CP UNIT 2 (6/2015)	
<b>ISFSI - ROUTINE LOADING INSPECTION</b>					<b>1</b>
1	04/27/2015	05/01/2015	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>EB1-21T - CP COMPONENT DESIGN BASIS INSPECTION</b>					<b>6</b>
1,2	06/01/2015	07/02/2015	IP 7111121	Component Design Bases Inspection	
<b>EP-2 - HAB EXERCISE INSPECTION</b>					<b>5</b>
1,2	06/08/2015	06/12/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	06/08/2015	06/12/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
<b>EP-3 - EP PERFORMANCE INDICATORS</b>					<b>2</b>
1,2	06/08/2015	06/12/2015	IP 71151-EP01	Drill/Exercise Performance	
1,2	06/08/2015	06/12/2015	IP 71151-EP02	ERO Readiness	
1,2	06/08/2015	06/12/2015	IP 71151-EP03	Alert & Notification System Reliability	
<b>TSB 52B - BIENNIAL PI&amp;R INSPECTION</b>					<b>4</b>
1,2	08/31/2015	09/04/2015	IP 71152B	Problem Identification and Resolution	
1,2	09/14/2015	09/18/2015	IP 71152B	Problem Identification and Resolution	
<b>RS 13 PI - RADIATION SAFETY</b>					<b>2</b>
1,2	10/12/2015	10/16/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	10/12/2015	10/16/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	10/12/2015	10/16/2015	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1,2	10/12/2015	10/16/2015	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
<b>71111.08 - INSERVICE INSPECTION 2R15</b>					<b>1</b>
2	10/12/2015	10/23/2015	IP 7111108P	Inservice Inspection Activities - PWR	
<b>EXAMS - INITIAL OPERATOR EXAM</b>					<b>4</b>
1	05/16/2016	05/20/2016	X02572	INITIAL EXAM COMANCHE PEAK UNIT 1 (06/2016)	
2	05/16/2016	05/20/2016	X02573	INITIAL EXAM COMANCHE PEAK UNIT 2 (06/2016)	
1	06/13/2016	06/17/2016	X02572	INITIAL EXAM COMANCHE PEAK UNIT 1 (06/2016)	
2	06/13/2016	06/17/2016	X02573	INITIAL EXAM COMANCHE PEAK UNIT 2 (06/2016)	
<b>RS 5678 - RADIATION SAFETY - TEAM</b>					<b>4</b>
1,2	02/08/2016	02/12/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1,2	02/08/2016	02/12/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	

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

**Comanche Peak**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>RS 5678 - RADIATION SAFETY - TEAM</b>					<b>4</b>
1,2	02/08/2016	02/12/2016	IP 71124.07	Radiological Environmental Monitoring Program	
1,2	02/08/2016	02/12/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>EP-1 - BIENNIAL EP PROGRAM INSPECTION</b>					<b>1</b>
1,2	02/22/2016	02/26/2016	IP 7111402	Alert and Notification System Testing	
1,2	02/22/2016	02/26/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	02/22/2016	02/26/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	02/22/2016	02/26/2016	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
<b>EP-2 - EP PERFORMANCE INDICATORS</b>					<b>1</b>
1,2	02/22/2016	02/26/2016	IP 71151-EP01	Drill/Exercise Performance	
1,2	02/22/2016	02/26/2016	IP 71151-EP02	ERO Readiness	
1,2	02/22/2016	02/26/2016	IP 71151-EP03	Alert & Notification System Reliability	
<b>RS 12 PI - RADIATION SAFETY</b>					<b>2</b>
1,2	04/11/2016	04/15/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	04/11/2016	04/15/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	04/11/2016	04/15/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1,2	04/11/2016	04/15/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
<b>71111.08 - INSERVICE INSPECTION 1RF18</b>					<b>1</b>
1	04/11/2016	04/22/2016	IP 7111108P	Inservice Inspection Activities - PWR	

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Wayne C. Walker, Chief  
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Division of Reactor Projects

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License: NPF-87 and NPF-89

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DISTRIBUTION

See next page

CP 2014 Annual Assessment Ltr.

ML15063A575

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DATE	2/25/15	2/25/15	2/27/15	3/4/15	3/2/15

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Letter to Rafael Flores from Wayne Walker, dated March 4, 2015

SUBJECT: ANNUAL ASSESSMENT LETTER FOR COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 1 AND 2 (REPORT 05000445/2014001 and 05000446/2014001)

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