



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

March 3, 2010

Rafael Flores, Senior Vice President
and Chief Nuclear Officer
Luminant Generation Company, LLC
Comanche Peak Nuclear Power Plant
P.O. Box 1022
Glen Rose, TX 76043

SUBJECT: ANNUAL ASSESSMENT LETTER – COMANCHE PEAK NUCLEAR POWER
PLANT (REPORTS 05000445/2010001 AND 05000446/2010001)

Dear Mr. Flores:

On February 16, 2010, the NRC staff completed its performance review of the Comanche Peak Nuclear Power Plant, Units 1 and 2. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2009. 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.

Overall, Comanche Peak Nuclear Power Plant, Units 1 and 2, operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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 PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through June 30, 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 nine months of the inspection plan are tentative and may be revised at the mid-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 (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).

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If circumstances arise which cause us to change this 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,

/RA/

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

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

Enclosure:
Comanche Peak Inspection/Activity Plan

cc w/Enclosure:
Mike Blevins, Chief Operating Officer
Luminant Generation Company LLC
Comanche Peak Nuclear Power Plant
P.O. Box 1002
Glen Rose, TX 76043

Mr. Fred W. Madden, Director
Oversight and Regulatory Affairs
Luminant Generation Company LLC
P.O. Box 1002
Glen Rose, TX 76043

Timothy P. Matthews, Esq.
Morgan Lewis
1111 Pennsylvania Avenue, NW
Washington, DC 20004

County Judge
P.O. Box 851
Glen Rose, TX 76043

Chief
Bureau of Radiation Control
Texas Department of Health
P.O. Box 149347, Mail Code 2835
Austin, TX 78714-9347

Environmental and Natural
Resources Policy Advisor
Office of the Governor
P.O. Box 12428
Austin, TX 78711

County Judge
P.O. Box 851
Glen Rose, TX 76043

Public Utility Commission
William B. Travis Building
P.O. Box 13326
Austin, TX 78711-3326

Office of Permitting, Remediation
and Registration
Texas Commission on
Environmental Quality
MC-122
P.O. Box 13087
Austin, TX 78711-3087

Chief Boiler Inspector
Texas Department of Licensing
And Regulation
Boiler Division
E.O. Thompson State Office Building
P.O. Box 12157
Austin, TX 78711

Chief, Technological Hazards
Branch
FEMA Region VI
800 North Loop 288
Federal Regional Center
Denton, TX 76209

Sheriff
Somervell County
750 E. Gibbs Blvd.
Glen Rose, TX 76043

Comanche Peak Nuclear Power Plant -4-

The Mayor of the City of Glen Rose
P.O. Box 1949
Glen Rose, TX 76043

Hood County Judge
100 E. Pearl Street
Granbury, TX 76048

The Mayor of the City of Granbury
P.O. Box 969
Granbury, TX 76048

Chairman
Public Utility Commission
William B. Travis Bldg.
P.O. Box 13326
Austin, TX 78711-3326

State Energy Conservation Office
Comptroller of Public Accounts
P.O. Box 13528
Austin, TX 78711-3528

Director Infrastructure Reliability Division, PUC
1701 N. Congress Ave
Austin, TX 78711-3326

Sheriff, Hood County
400 N. Gordon Street
Granbury, TX 76048

Deputy Director
Office of Permitting, Remediation
and Registration TCEQ
MC-122
P.O. Box 13087
Austin, TX 78711-3087

State Coordinator
Division of Emergency Management
Texas Department of Public Safety
5805 North Lamar Blvd.
Austin, TX 78773-4087

Electronic distribution by RIV:

Regional Administrator (Elmo.Collins@nrc.gov)
 Deputy Regional Administrator (Chuck.Casto@nrc.gov)
 DRP Director (Dwight.Chamberlain@nrc.gov)
 DRP Deputy Director (Anton.Vegel@nrc.gov)
 DRS Director (Roy.Caniano@nrc.gov)
 DRS Deputy Director (Troy.Pruett@nrc.gov)
 Branch Chief, DRP/A (Wayne.Walker@nrc.gov)
 Senior Project Engineer, DRP/A (David.Proulx@nrc.gov)
 Senior Resident Inspector (John.Kramer@nrc.gov)
 Resident Inspector (Brian.Tindell@nrc.gov)
 RITS Coordinator (Marisa.Herrera@nrc.gov)
 Public Affairs Officer (Victor.Dricks@nrc.gov)
 Public Affairs Officer (Lara.Uselding@nrc.gov)
 Regional State Liaison Officer (Bill.Maier@nrc.gov)
 RA Administrative Assistant (Lucy.Owen@nrc.gov)
 DRA Administrative Assistant (Anita.Tannenbaum@nrc.gov)
 Branch Chief, DRS/EB1 (Thomas.Farnholtz@nrc.gov)
 Branch Chief, DRS/EB2 (Neil.Keefe@nrc.gov)
 Branch Chief, DRS/PSB1 (Michael.Shannon@nrc.gov)
 Branch Chief, DRS/PSB2 (Greg.Werner@nrc.gov)
 Branch Chief, DRS/OB (Mark.Haire@nrc.gov)
 OEDO RIV Coordinator (Leigh.Trocine@nrc.gov)
 Director, DIRS, NRR (Frederick.Brown@nrc.gov)
 Director, DORL, NRR (Joseph.Giitter@nrc.gov)
 Deputy Director, DORL, NRR (Robert.Nelson@nrc.gov)
 Chief, PLB IV, DORL, NRR (Michael.Markley@nrc.gov)
 NRR Project Manager (Balwant.Singal@nrc.gov)
 RidsNrrDirslpab Resource@nrc.gov
 ROPreports.Resource@nrc.gov
 Congressional Affairs Officer (Jenny.Weil@nrc.gov)
 mortensengk@INPO.org

File located: R:_REACTORS\EOC2009\CP.doc

SUNSI Rev Compl.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ADAMS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewer Initials	WW
Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sens. Type Initials	WW
C:DRP/A	D:DRS	D:DRP	C:DRP/Signature		
WWalker	RJCaniano	DDChamberlain	WWalker		
/RA/	/RA/	/RA/	/RA/		
2/23/10	2/23/10	2/25/10	2/25/10		

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T=Telephone

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Comanche Peak
Inspection / Activity Plan
 04/01/2010 - 06/30/2011

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
EXAM - INITIAL EXAM					3
1	03/29/2010	04/02/2010	X02437	INITIAL EXAM UNIT 1-CP	
2	03/29/2010	04/02/2010	X02438	INITIAL EXAM UNIT 2- CP	
PSB2-08P - INSERVICE INSPECTION - U1					2
1	04/05/2010	04/16/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
1	04/05/2010	04/16/2010	IP 7111108P	Inservice Inspection Activities - PWR	
RP123 - OCCUPATIONAL RADIATION SAFETY					2
1,2	04/12/2010	04/16/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	04/12/2010	04/16/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	04/12/2010	04/16/2010	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2	04/12/2010	04/16/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	04/12/2010	04/16/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
EB1-21 - COMPONENT DESIGN BASES INSPECTION					6
1,2	05/24/2010	06/18/2010	IP 7111121	Component Design Bases Inspection	
BRQ - OPERATOR REQUAL INSPECTION					3
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	Public Radiation Safety	
1,2	12/06/2010	12/10/2010	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	12/06/2010	12/10/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	12/06/2010	12/10/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
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]	
PSB2-08P - INSERVICE INSPECTION - U2					3
2	04/04/2011	04/29/2011	IP 7111108P	Inservice Inspection Activities - PWR	

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