



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

March 4, 2009

Rafael Flores, 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: ANNUAL ASSESSMENT LETTER – COMANCHE PEAK STEAM ELECTRIC  
STATION (REPORTS 05000445/2009001 AND 05000446/2009001)

Dear Mr. Flores:

On February 10, 2009, the NRC staff completed its performance review of the Comanche Peak Steam Electric Station, 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, 2008. 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 Steam Electric Station, 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 at 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 additional findings. Therefore, the White finding expired on December 31, 2008.

Plant performance for the most recent quarter at Unit 2, 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, 2010. 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).

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) 860-8249 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Dwight D. Chamberlain, Director  
Division of Reactor Projects

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

Enclosure: Comanche Peak Steam Electric Station Inspection/Activity Plan

cc/wEnclosure:  
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|------------------|---------------------------------------------------------------------|---------------|---------------------------------------------------------------------|---------------------|----|
| SUNSI Rev Compl. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | ADAMS         | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Reviewer Initials   | GR |
| Publicly Avail   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Sensitive     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Sens. Type Initials | GR |
| C:DRP/A          | D:DRS                                                               | D:DRP         | C:DRP/A (Signature)                                                 |                     |    |
| GDReplogle       | RJCaniano                                                           | DDChamberlain | GDReplogle                                                          |                     |    |
| /RA/             | /RA/                                                                | /RA/          | /RA/                                                                |                     |    |
| 2/23/2009        | 2/23/2009                                                           | 2/24/2009     | 2/24/2009                                                           |                     |    |

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**Comanche Peak**  
**Inspection / Activity Plan**  
**03/01/2009 - 06/30/2010**

| Unit Number                                            | Planned Dates |            | Inspection Activity | Title                                                                                 | No. of Staff on Site |
|--------------------------------------------------------|---------------|------------|---------------------|---------------------------------------------------------------------------------------|----------------------|
| Start                                                  | End           |            |                     |                                                                                       |                      |
| <b>EXAM - INITIAL EXAM</b>                             |               |            |                     |                                                                                       | <b>4</b>             |
| 1                                                      | 03/30/2009    | 04/03/2009 | X02407              | INITIAL EXAM UNIT 1-CP (3/2009)                                                       |                      |
| 2                                                      | 03/30/2009    | 04/03/2009 | X02408              | INITIAL EXAM UNIT 2-CP (3/2009)                                                       |                      |
| <b>EP1 - EP EXERCISE INSPECTION</b>                    |               |            |                     |                                                                                       | <b>3</b>             |
| 1, 2                                                   | 04/06/2009    | 04/10/2009 | IP 2515/175         | Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review |                      |
| 1, 2                                                   | 04/06/2009    | 04/10/2009 | IP 7111401          | Exercise Evaluation                                                                   |                      |
| 1, 2                                                   | 04/06/2009    | 04/10/2009 | IP 7111404          | Emergency Action Level and Emergency Plan Changes                                     |                      |
| 1, 2                                                   | 04/06/2009    | 04/10/2009 | IP 71151            | Performance Indicator Verification                                                    |                      |
| <b>X02407 - INITIAL EXAM</b>                           |               |            |                     |                                                                                       | <b>4</b>             |
| 1                                                      | 03/30/2009    | 04/03/2009 | X02407              | INITIAL EXAM UNIT 1-CP (3/2009)                                                       |                      |
| <b>X02408 - INITIAL EXAM</b>                           |               |            |                     |                                                                                       | <b>4</b>             |
| 2                                                      | 03/30/2009    | 04/03/2009 | X02408              | INITIAL EXAM UNIT 2-CP (3/2009)                                                       |                      |
| <b>PSB2-52B - BIENNIAL PI&amp;R INSPECTION</b>         |               |            |                     |                                                                                       | <b>4</b>             |
| 1, 2                                                   | 07/27/2009    | 08/01/2009 | IP 71152B           | Identification and Resolution of Problems                                             |                      |
| 1, 2                                                   | 08/10/2009    | 08/14/2009 | IP 71152B           | Identification and Resolution of Problems                                             |                      |
| <b>EB1-08 - U2 INSERVICE INSPECTION</b>                |               |            |                     |                                                                                       | <b>2</b>             |
| 2                                                      | 10/13/2009    | 10/23/2009 | IP 2515/172         | Reactor Coolant System Dissimilar Metal Butt Welds                                    |                      |
| 2                                                      | 10/13/2009    | 10/23/2009 | IP 7111108P         | Inservice Inspection Activities - PWR                                                 |                      |
| <b>RP-ORS4 - OCCUPATIONAL RADIATION SAFETY</b>         |               |            |                     |                                                                                       | <b>1</b>             |
| 1, 2                                                   | 10/05/2009    | 10/09/2009 | IP 7112101          | Access Control to Radiologically Significant Areas                                    |                      |
| 1, 2                                                   | 10/05/2009    | 10/09/2009 | IP 7112102          | ALARA Planning and Controls                                                           |                      |
| 1, 2                                                   | 10/05/2009    | 10/09/2009 | IP 71151            | Performance Indicator Verification                                                    |                      |
| <b>RP-ORS5 - OCCUPATIONAL RADIATION SAFETY - ALARA</b> |               |            |                     |                                                                                       | <b>1</b>             |
| 1, 2                                                   | 11/16/2009    | 11/20/2009 | IP 7112101          | Access Control to Radiologically Significant Areas                                    |                      |
| 1, 2                                                   | 11/16/2009    | 11/20/2009 | IP 7112102          | ALARA Planning and Controls                                                           |                      |
| 1, 2                                                   | 11/16/2009    | 11/20/2009 | IP 71151            | Performance Indicator Verification                                                    |                      |
| <b>EP-1 - BIENNIAL EP PROGRAM INSPECTION</b>           |               |            |                     |                                                                                       | <b>1</b>             |
| 1, 2                                                   | 03/01/2010    | 03/05/2010 | IP 7111402          | Alert and Notification System Testing                                                 |                      |
| 1, 2                                                   | 03/01/2010    | 03/05/2010 | IP 7111403          | Emergency Response Organization Augmentation Testing                                  |                      |
| 1, 2                                                   | 03/01/2010    | 03/05/2010 | IP 7111404          | Emergency Action Level and Emergency Plan Changes                                     |                      |
| 1, 2                                                   | 03/01/2010    | 03/05/2010 | IP 7111405          | Correction of Emergency Preparedness Weaknesses and Deficiencies                      |                      |
| 1, 2                                                   | 03/01/2010    | 03/05/2010 | IP 71151-EP01       | Drill/Exercise Performance                                                            |                      |
| 1, 2                                                   | 03/01/2010    | 03/05/2010 | IP 71151-EP02       | ERO Drill Participation                                                               |                      |
| 1, 2                                                   | 03/01/2010    | 03/05/2010 | IP 71151-EP03       | Alert & Notification System                                                           |                      |

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

**Comanche Peak**  
**Inspection / Activity Plan**

**03/01/2009 - 06/30/2010**

| Unit<br>Number                                    | Planned Dates |            | Inspection Activity | Title                                              | No. of Staff<br>on Site |
|---------------------------------------------------|---------------|------------|---------------------|----------------------------------------------------|-------------------------|
| Start                                             | End           |            |                     |                                                    |                         |
| <b>EXAM - INITIAL EXAM</b>                        |               |            |                     |                                                    | <b>3</b>                |
| 1                                                 | 02/22/2010    | 02/26/2010 | X02437              | INITIAL EXAM UNIT 1-CP                             |                         |
| 2                                                 | 02/22/2010    | 02/26/2010 | X02438              | INITIAL EXAM UNIT 2- CP                            |                         |
| 1                                                 | 03/22/2010    | 03/26/2010 | X02437              | INITIAL EXAM UNIT 1-CP                             |                         |
| 2                                                 | 03/22/2010    | 03/26/2010 | X02438              | INITIAL EXAM UNIT 2- CP                            |                         |
| <b>EB1-21 - COMPONENT DESIGN BASES INSPECTION</b> |               |            |                     |                                                    | <b>6</b>                |
| 1, 2                                              | 03/29/2010    | 04/02/2010 | IP 7111121          | Component Design Bases Inspection                  |                         |
| 1, 2                                              | 04/12/2010    | 04/23/2010 | IP 7111121          | Component Design Bases Inspection                  |                         |
| <b>EB1-08 - U1 INSERVICE INSPECTION</b>           |               |            |                     |                                                    | <b>3</b>                |
| 1                                                 | 04/12/2010    | 04/23/2010 | IP 2515/172         | Reactor Coolant System Dissimilar Metal Butt Welds |                         |
| 1                                                 | 04/12/2010    | 04/23/2010 | IP 7111108P         | Inservice Inspection Activities - PWR              |                         |