



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005

March 3, 2008

Mike Blevins, 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
(NRC INSPECTION REPORT 05000445/2008001 and 05000446/2008001)

Dear Mr. Blevins:

On February 5, 2008, the NRC staff completed its performance review of Comanche Peak Steam Electric Station. Our technical staff reviewed performance indicators for the most recent quarter and inspection results for the period from January 1 through December 31, 2007. 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 Information" will include the security cornerstone review and resultant inspection plan.

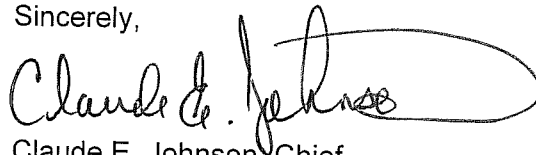
Overall, Comanche Peak Steam Electric Station Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green). Although plant performance was within the Licensee Response column, the significance of the failure of a diesel generator, DG 1-02, to start during a monthly surveillance test has been determined to be of low to moderate safety significance (White). Therefore, during the next quarter a change in performance will be reflected, and we plan to conduct a supplemental inspection (95001) to review the actions taken to address the failure of DG 1-02 to start at your facility.

The enclosed inspection plan details the inspections, except those related to physical protection scheduled through June 30, 2009. 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 midcycle 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) 860-8148 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Claude E. Johnson, Chief
Reactor Projects Branch A
Division of Reactor Projects

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

Enclosure: Comanche Peak Steam Electric Station Inspection/ Activity Plan

cc w/enclosures:

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Comanche Peak
Inspection / Activity Plan
03/01/2008 - 06/30/2009

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| Unit Number | Inspection Activity | Title | No. of Staff on Site | Planned Dates Start | Planned Dates End | Inspection Type |
|---------------|--|---|----------------------|---------------------|-------------------|------------------------|
| 2 | EB1-08 - U2 INSERVICE INSPECTION | | 2 | | | |
| IP 7111108P | Inservice Inspection Activities - PWR | | | 03/31/2008 | 04/11/2008 | Baseline Inspections |
| 1,2 | EB1T1166 - T1 166 CLOSE OUT UNIT1&2 | | 2 | | | |
| IP 2515/166 | Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02] | | | 03/31/2008 | 04/11/2008 | Safety Issues |
| 1,2 | RP-ORS1 - OCCUPATIONAL RADIATION SAFETY-ACCESS | | 1 | | | |
| IP 7112101 | Access Control to Radiologically Significant Areas | | | 04/07/2008 | 04/11/2008 | Baseline Inspections |
| IP 7112102 | ALARA Planning and Controls | | | 04/07/2008 | 04/11/2008 | Baseline Inspections |
| 1 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | | 04/07/2008 | 04/11/2008 | Baseline Inspections |
| 2 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | | 04/07/2008 | 04/11/2008 | Baseline Inspections |
| 1,2 | EPI - BIENNIAL EP PROGRAM INSPECTION | | 1 | | | |
| IP 7111402 | Alert and Notification System Testing | | | 05/05/2008 | 05/09/2008 | EP Baseline Inspection |
| IP 7111403 | Emergency Response Organization Augmentation Testing | | | 05/05/2008 | 05/09/2008 | EP Baseline Inspection |
| IP 7111404 | Emergency Action Level and Emergency Plan Changes | | | 05/05/2008 | 05/09/2008 | EP Baseline Inspection |
| IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | | | 05/05/2008 | 05/09/2008 | EP Baseline Inspection |
| 1,2 | IP 71151-EP01 | Drill/Exercise Performance | | 05/05/2008 | 05/09/2008 | Baseline Inspections |
| 1,2 | IP 71151-EP02 | ERO Drill Participation | | 05/05/2008 | 05/09/2008 | Baseline Inspections |
| 1,2 | IP 71151-EP03 | Alert & Notification System | | 05/05/2008 | 05/09/2008 | Baseline Inspections |
| 1,2 | RP-ORS2 - OCCUPATIONAL RADIATION SAFETY-ALARA | | 1 | | | |
| IP 7112101 | Access Control to Radiologically Significant Areas | | | 07/14/2008 | 07/18/2008 | Baseline Inspections |
| IP 7112102 | ALARA Planning and Controls | | | 07/14/2008 | 07/18/2008 | Baseline Inspections |
| IP 71151-OR01 | Occupational Exposure Control Effectiveness | | | 07/14/2008 | 07/18/2008 | Baseline Inspections |
| 2 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | | 07/14/2008 | 07/18/2008 | Baseline Inspections |
| 1 | EB1-08 - U1 INSERVICE INSPECTION | | 2 | | | |
| IP 7111108P | Inservice Inspection Activities - PWR | | | 09/29/2008 | 10/10/2008 | Baseline Inspections |
| 1,2 | RP-ORS3 - OCCUPATIONAL RADIATION SAFETY - ALARA | | 1 | | | |
| IP 7112101 | Access Control to Radiologically Significant Areas | | | 10/20/2008 | 10/24/2008 | Baseline Inspections |
| IP 7112102 | ALARA Planning and Controls | | | 10/20/2008 | 10/24/2008 | Baseline Inspections |
| 2 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | | 10/20/2008 | 10/24/2008 | Baseline Inspections |
| 1 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | | 10/20/2008 | 10/24/2008 | Baseline Inspections |
| 1,2 | REQVAL - BIENNIAL REQVAL | | 1 | | | |
| IP 7111111B | Licensed Operator Requalification Program | | | 12/15/2008 | 12/19/2008 | Baseline Inspections |
| 1,2 | EB2-07T - TRIENNIAL HEAT SINK INSPECTION | | 1 | | | |
| IP 7111107B | Heat Sink Performance | | | 01/26/2009 | 01/30/2009 | Baseline Inspections |

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

Comanche Peak
 Inspection / Activity Plan
 03/01/2008 - 06/30/2009

| Unit Number | Inspection Activity | Title | No. of Staff on Site | Planned Dates Start | Planned Dates End | Inspection Type |
|-------------|----------------------------|---|----------------------|---------------------|-------------------|----------------------|
| 1,2 | EB1-17T - 50.59 PERM MODS | | 2 | | | |
| 1,2 | IP 7111102 | Evaluation of Changes, Tests, or Experiments | | 02/02/2009 | 02/13/2009 | Baseline Inspections |
| 1,2 | IP 7111117B | Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications | | 02/02/2009 | 02/13/2009 | Baseline Inspections |
| 1 | EXAM - INITIAL EXAM | | 4 | | | |
| | X02407 | INITIAL EXAM UNIT 1-CP (3/2009) | | 03/30/2009 | 04/03/2009 | Not Applicable |
| 2 | EXAM - INITIAL EXAM | | 4 | | | |
| | X02408 | INITIAL EXAM UNIT 2-CP (3/2009) | | 03/30/2009 | 04/03/2009 | Not Applicable |

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

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 Senior Project Engineer, DRP/A **(TRF)**
 Team Leader, DRP/TSS **(CJP)**
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SUNSI Review Completed: TRF ADAMS: Yes No Initials: TRF
 Publicly Available Non-Publicly Available Sensitive Non-Sensitive

R:\ Reactors\EOC and Midcycle\EOC Assessment Letters\2007-dated 3-2-08\CP.doc

| RIV:C:DRPVA | D:DRS | D:DRP | C:DRPVA Signature |
|-------------|-----------|--------------|-------------------|
| CJohnson | RCaniano | DChamberlain | CJohnson |
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| 2/28/2008 | 2/28/2008 | 02/25/2008 | 02/28/2008 |

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