



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

May 20, 2010

Rafael Flores, Senior Vice President
and Chief Nuclear Officer
Attention: Regulatory Affairs
Luminant Generation Company LLC
Comanche Peak Nuclear Power Plant
P.O. Box 1002
Glen Rose, TX 76043

SUBJECT: COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 1 AND 2 - NRC
EXAMINATION REPORT 05000445/2010301; 05000446/2010301

Dear Mr. Flores:

On April 2, 2010, the U.S. Nuclear Regulatory Commission (NRC) completed an initial operator license examination at Comanche Peak Nuclear Power Plant, Units 1 and 2. The enclosed report documents the examination findings and licensing decisions. The preliminary examination findings were discussed on April 2, 2010, with Mr. Steven Sewell, Operations Director, and other members of your staff. A telephonic exit meeting was conducted on April 12, 2010, with Mr. Garry Struble, Operations Training Supervisor, who was provided the NRC licensing decisions.

The examination included the evaluation of six applicants for reactor operator licenses, one applicant for instant senior reactor operator license and two applicants for upgrade senior reactor operator licenses. The license examiners determined that seven of the nine applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses have been issued. There were no post-examination comments submitted by your staff. The enclosure to this letter contains the details of this report.

No findings of significance were identified during this examination.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure 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).

Sincerely,

/RA/

Mark S. Haire, Chief
Operations Branch
Division of Reactor Safety

Luminant Generation Company LLC

- 2 -

Dockets: 50-445; 50-446

Licenses: NPF-87; NPF-89

Enclosure:

NRC Examination Report 05000445/2010301; 05000446/2010301

cc w/enclosure:

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

Mr. Richard A. Ratliff, 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 Director
Office of the Governor
P.O. Box 12428
Austin, TX 78711-3189

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

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

Luminant Generation Company LLC

- 3 -

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

Anthony Jones
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

Electronic distribution by RIV:

Regional Administrator (Elmo.Collins@nrc.gov)
 Acting Deputy Regional Administrator (Art.Howell@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)
 Senior Resident Inspector (John.Kramer@nrc.gov)
 Resident Inspector (Brian.Tindell@nrc.gov)
 Branch Chief, DRP/A (Wayne.Walker.nrc.gov)
 Senior Project Engineer, DRP/A (David.Proulx@nrc.gov)
 CP Administrative Assistant (Sue.Sanner@nrc.gov)
 Public Affairs Officer (Victor.Dricks@nrc.gov)
 Public Affairs Officer (Lara.Uselding@nrc.gov)
 Project Manager (Balwant.Singal@nrc.gov)
 Branch Chief, DRS/TSB (Michael.Hay@nrc.gov)
 RITS Coordinator (Marisa.Herrera@nrc.gov)
 Regional Counsel (David.Roth@nrc.gov)
 Congressional Affairs Officer (Jenny.Weil@nrc.gov)
 OEMail Resource

R:\

ADAMS ML

ADAMS: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/> SUNSI Review Complete	Reviewer Initials: CCO	
		<input checked="" type="checkbox"/> Publicly Available	<input checked="" type="checkbox"/> Non-Sensitive	
		<input type="checkbox"/> Non-publicly Available	<input type="checkbox"/> Sensitive	
SOE:OB	OE:OB	OE:OB	C:PBA	C:OB
COsterholtz	GApger	CSteely	WWalker	MHaire
/RA/	/RA/	/RA/	/RA/	/RA/
5/6/10	5/6/10	5/6/2010	5/6/2010	5/20/10

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

U.S. NUCLEAR REGULATORY COMMISSION

REGION IV

Dockets: 50-445, 50-446

Licenses: NPF-87, NPF-89

Report: 05000445/2010301; 05000446/2010301

Licensee: Luminant Generation Company, LLC

Facility: Comanche Peak Nuclear Power Plant, Units 1 and 2

Location: FM-56,
Glen Rose, Texas

Dates: March 29 - April 12, 2010

Inspectors: C. Osterholtz, Senior Operations Engineer
G. Apger, Operations Engineer
C. Steely, Operations Engineer

Approved by: Mark S. Haire, Chief
Operations Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

ER05000445/2010301; 05000446/2010301; March 29 - April 12, 2010; Comanche Peak Nuclear Power Plant, Units 1 and 2; Initial Operator Licensing Examination Report.

NRC examiners evaluated the competency of six applicants for reactor operator licenses, one applicant for instant senior reactor operator license and two applicants for upgrade senior reactor operator licenses at Comanche Peak Nuclear Power Plant, Units 1 and 2.

The licensee developed the examinations using NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1. The written examination was administered by the licensee on April 5, 2010. NRC examiners administered the operating tests on March 29 - April 2, 2010.

The examiners determined that seven of the nine applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses have been issued.

A. NRC-Identified and Self-Revealing Findings

No findings of significance were identified.

B. Licensee-Identified Violations

None.

REPORT DETAILS

4. OTHER ACTIVITIES (OA)

4OA5 Other Activities (Initial Operator License Examination)

.1 License Applications

a. Scope

NRC examiners reviewed all license applications submitted to ensure each applicant satisfied relevant license eligibility requirements. The examiners also audited three of the license applications in detail to confirm that they accurately reflected the subject applicant's qualifications. This audit focused on the applicant's experience and on-the-job training, including control manipulations that provided significant reactivity changes.

b. Findings

No findings of significance were identified.

.2 Examination Development

a. Scope

NRC examiners reviewed integrated examination outlines and draft examinations submitted by the licensee against the requirements of NUREG-1021. The NRC examination team conducted an onsite validation of the operating tests.

b. Findings

NRC examiners provided outline, draft examination and post-validation comments to the licensee. The licensee satisfactorily completed comment resolution prior to examination administration.

NRC examiners determined that the written examinations and operating tests initially submitted by the licensee were within the range of acceptability expected for a proposed examination.

.3 Operator Knowledge and Performance

a. Scope

On April 5, 2010, the licensee proctored the administration of the written examinations to all nine applicants. The licensee staff graded the written examinations, analyzed the results, and presented their analysis to the NRC on April 9, 2010.

The NRC examination team administered the various portions of the operating tests to all nine applicants on March 29 - April 2, 2010.

b. Findings

No findings of significance were identified.

Seven applicants passed all parts of the operating test. Two of the applicants failed the simulator portion of the operating test. All of the applicants passed the written examination. The final written examinations and post-examination analysis may be accessed in the ADAMS system under the accession numbers noted in the attachment. There were no post-examination comments as indicated in the licensee submittal.

The examination team noted the following generic weaknesses:

- Recognizing a centrifugal charging pump is unavailable when its associated electrical safety bus has no power
- Recognizing when a feedwater controller is in automatic after operation in manual has been secured
- Understanding the different indications and alarms associated with feedwater flow, steam flow, and steam generator water level instrument failures
- Understanding of the requirements associated with reactor coolant system bleed and feed operations during a loss of heat sink event
- Diagnosing an inadvertent closure of a main turbine stop valve

The inspectors noted that the licensee entered deficiencies noted during the exam validation and administration into Condition Reports 2010-003390, 2010-003391, and 2010-003392.

.4 Simulation Facility Performance

a. Scope

The NRC examiners observed simulator performance with regard to plant fidelity during examination validation and administration.

b. Findings

No findings of significance were identified.

.5 Examination Security

a. Scope

The NRC examiners reviewed examination security during both the onsite preparation week and examination administration week for compliance with 10 CFR 55.49 and NUREG-1021. Plans for simulator security and applicant control were reviewed and discussed with licensee personnel.

b. Findings

During administrative job performance measure (JPM) examination for senior reactor operators on March 30, 2010, the inspectors noted that one administrative JPM administered had been previously administered to reactor operator applicants on March 29, 2010. This was due to an administrative oversight by the licensee when scheduling administrative JPMs over a two-day period. The JPM was subsequently replaced with a newly developed JPM. The replacement JPM was validated on March 31, 2010, and administered to the senior reactor operator applicants on April 2, 2010.

4OA6 Meetings, Including Exit

The chief examiner presented the preliminary examination results to Messrs. Steven Sewell, Operations Director, Russell Smith, Training Manager, and other members of the staff on April 2, 2010. A telephonic exit was conducted on April 12, 2010, between Messrs. Clyde Osterholtz, Chief Examiner (under instruction), and Garry Struble, Operations Training Supervisor.

The licensee did not identify any information or materials used during the examination as proprietary.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

G. Struble, Operations Training Supervisor

NRC Personnel

B. Tindell, Resident Inspector

ADAMS DOCUMENTS REFERENCED

Accession No. ML1012410120 - FINAL WRITTEN EXAMS

Accession No. ML1012410320 - POST EXAM ANALYSIS

Accession No. ML1012410150 – FINAL OPERATING TEST