



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

June 26, 2015

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 05000445/2015302; 05000446/2015302

Dear Mr. Flores:

On June 23, 2015, the U.S. Nuclear Regulatory Commission (NRC) completed an initial operator license examination at the Comanche Peak Nuclear Power Plant, Units 1 and 2. The enclosed report documents the examination results and licensing decisions. The preliminary examination results were discussed on June 4, 2015, with Mr. K. Peters, Site Vice President, and other members of your staff. A telephonic exit meeting was conducted on June 23, 2015, with Mr. G. Struble, Operations Training Manager, who was provided the NRC licensing decisions.

The examination included the evaluation of three applicants for reactor operator licenses, two applicants for instant senior reactor operator licenses and three applicants for upgrade senior reactor operator licenses. The license examiners determined that the three applicants for reactor operator licenses, the two applicants for instant senior reactor operator licenses, and that two of the upgrade senior reactor applicants satisfied the requirements of 10 CFR Part 55. One upgrade senior reactor operator applicant failed the written portion of the examination. The appropriate licenses have been issued. However, one reactor operator applicant and one upgrade senior reactor operator applicant will have the issuance of their license delayed until any written examination appeals have been reviewed for possible impact on their licensing decisions in accordance with NUREG 1021, Revision 9, Supplement 1, ES-501, Section D.3.c. There were no post-examination comments submitted by your staff. Enclosure 1 contains the details of this report.

No findings were identified during this examination.

R. Flores

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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 Agencywide Documents Access and Management 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/

Vincent G. Gaddy, Chief  
Operations Branch  
Division of Reactor Safety

Docket Nos. 50-445 and 50-446  
License Nos. NPF-87 and NPF-89

Enclosure:  
NRC Examination Report 05000445/2015302;  
05000446/2015302, w/Attachments:

1. Supplemental Information
2. Simulator Fidelity Report

cc w/enclosure:  
Electronic Distribution

R. Flores

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Letter to Rafael Flores from Vincent G. Gaddy, dated June 26, 2015

SUBJECT: COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 1 AND 2 - NRC  
EXAMINATION REPORT 05000445/2015302; 05000446/2015302

Distribution:

Regional Administrator (Marc.Dapas@nrc.gov)  
Deputy Regional Administrator (Kriss.Kennedy@nrc.gov)  
DRP Director (Troy.Pruett@nrc.gov)  
DRP Deputy Director (Ryan.Lantz@nrc.gov)  
DRS Director (Anton.Vegel@nrc.gov)  
DRS Deputy Director (Jeff.Clark@nrc.gov)  
Senior Resident Inspector (John.Kramer@nrc.gov)  
Senior Resident Inspector (Jeffrey.Josey@nrc.gov)  
Resident Inspector (Rayomand.Kumana@nrc.gov)  
Administrative Assistant (Rhonda.Smith@nrc.gov)  
Branch Chief, DRP/A (Wayne.Walker@nrc.gov)  
Senior Project Engineer, DRP/A (Ryan.Alexander@nrc.gov)  
Project Engineer, DRP/A (Thomas.Sullivan@nrc.gov)  
Project Engineer, DRP/A (Margaret.Tobin@nrc.gov)  
Public Affairs Officer (Victor.Dricks@nrc.gov)  
Public Affairs Officer (Lara.Uselding@nrc.gov)  
Project Manager (Balwant.Singal@nrc.gov)  
Team Leader, DRS/TSST (Don.Allen@nrc.gov)  
RITS Coordinator (Marisa.Herrera@nrc.gov)  
ACES (R4Enforcement.Resource@nrc.gov)  
Regional Counsel (Karla.Fuller@nrc.gov)  
Technical Support Assistant (Loretta.Williams@nrc.gov)  
Congressional Affairs Officer (Jenny.Weil@nrc.gov)  
RIV Congressional Affairs Officer (Angel.Moreno@nrc.gov)  
RIV/ETA: OEDO (Michael.Waters@nrc.gov)  
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**U.S. NUCLEAR REGULATORY COMMISSION**

**REGION IV**

Dockets: 05000445, 05000446

Licenses: NPF-87, NPF-89

Report: 05000445/2015302; 05000446/201302

Licensee: Luminant Generation Company, LLC

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

Location: FM-56  
Glen Rose, Texas

Dates: June 1 through June 23, 2015

Inspectors: C. Osterholtz, Senior Operations Engineer  
M. Bloodgood, Operations Engineer  
T. Farina, Operations Engineer  
C. Steely, Operations Engineer

Approved by: Vincent G. Gaddy  
Chief, Operations Branch  
Division of Reactor Safety

## SUMMARY

ER05000445/2015302; 05000446/2015302; 06/01/2015 – 06/23/2015; the Comanche Peak Nuclear Power Plant, Units 1 and 2; Initial Operator Licensing Examination Report.

NRC examiners evaluated the competency of three applicants for reactor operator licenses, two applicants for instant senior reactor operator licenses, and three applicants for upgrade senior reactor operator licenses at the 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 June 8, 2015. The NRC examiners administered the operating tests the week of June 1, 2015.

The license examiners determined that the three applicants for reactor operator licenses, two applicants for instant senior reactor operator licenses, and two of the upgrade senior reactor applicants satisfied the requirements of 10 CFR Part 55. One upgrade senior reactor operator applicant failed the written portion of the examination. The appropriate licenses have been issued. However, one reactor operator applicant and one upgrade senior reactor operator applicant will have the issuance of their license delayed until any written examination appeals have been reviewed for possible impact on their licensing decisions in accordance with NUREG 1021, Revision 9, Supplement 1, ES-501, Section D.3.c.

A. NRC-Identified and Self-Revealing Findings

None

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 two 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 were identified.

##### .2 Examination Development

###### a. Scope

The 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 on-site validation of the operating tests.

###### b. Findings

No findings were identified.

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 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 June 8, 2015, the licensee proctored the administration of the written examination for all eight applicants, analyzed the results, and presented their analysis and post examination comments to the NRC on June 16, 2015.

The NRC examination team administered the various portions of the operating tests to all eight applicants the week of June 1, 2015.

b. Findings

No findings were identified.

All but one upgrade senior reactor operator applicant passed the written examination and all of the applicants passed all parts of the operating test. 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 weakness:

- The ability of senior reactor operator applicants to recognize technical specification requirements that are not applicable in Mode 2.
- On the written examination there were 12 questions missed by 50 percent or more of the applicants, with each question analyzed by the licensee as required by NUREG-1021. All 12 question weaknesses were determined to be knowledge weaknesses. Additionally, an enhancement was made to one written examination question stem prior to incorporation into the licensee's written examination bank. Condition Report CR 2015-005230 was written to address both the written and operating test weaknesses.

.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 were identified.

.5 Examination Security

a. Scope

The NRC examiners reviewed examination security during both the on-site 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

No findings were identified.

**4OA6 Meetings, Including Exit**

The chief examiner presented the preliminary examination results to Messrs. Ken Peters, Site Vice President, and other members of the staff on June 4, 2015. A telephonic exit was conducted on June 23, 2015, between Messrs. C. Osterholtz, Chief Examiner, and G. Struble, Operations Training Manager.

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

## **SUPPLEMENTAL INFORMATION**

### **KEY POINTS OF CONTACT**

#### **Licensee Personnel**

K. Peters, Site Vice President  
D. Basinger, Examination Development  
R. Blankenship, Examination Development  
D. Butler, Initial Training Coordinator  
D. Cox, Initial License Class Instructor  
J. Dreyfuss, Plant Manager  
A. Marzloff, Shift Operations Manager  
C. Rice, Initial Licensed Operator Training Supervisor  
J. Ruby, Examination Development  
B. St. Louis, Director, Nuclear Training  
S. Sewell, Director, Organization Effectiveness  
G. Struble, Operations Training Manager

#### **NRC Personnel**

J. Josey, Senior Resident Inspector

## **ADAMS DOCUMENTS REFERENCED**

Accession No. ML15167A546 - FINAL WRITTEN EXAMINATION  
Accession No. ML15167A548 - FINAL OPERATING TEST  
Accession No. ML15167A551 - POST EXAMINATION ANALYSIS AND COMMENTS

Facility Licensee: Comanche Peak Nuclear  
Power Plant

Facility Docket No.: 50-445; 50-446

Operating Test Administered on: Week of  
June 1,  
2015

*This form is to be used only to report observations. These observations do not constitute audit or inspection findings and, without further verification and review in accordance with IP 71111.11, are not indicative of noncompliance with 10 CFR 55.46. No licensee action is required in response to these observations.*

While conducting the simulator portion of the operating tests, examiners observed the following items:

Item	Description
Control switch did not operate as expected	Damper 23 control switch had to be taken to open and then back to auto before the train B control room ventilation would go into emergency recirculation following a safety injection during one scenario. The licensee generated Condition Report CR 2015-005248 to address the deficiency.