

March 24, 2000

Template = PRR-058

Mr. C. Lance Terry  
Senior Vice President  
& Principal Nuclear Officer  
TXU Electric  
Attn: Regulatory Affairs Department  
P. O. Box 1002  
Glen Rose, Texas 76043

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION, UNITS 1 AND 2 -  
ISSUANCE OF AMENDMENTS RE: SURVEILLANCE REQUIREMENTS FOR  
N-16 CHANNELS (TAC NOS. MA8038 AND MA8039)

Dear Mr. Terry:

The Nuclear Regulatory Commission (the Commission) has issued the enclosed Amendment No. 76 to Facility Operating License No. NPF-87 and Amendment No. 76 to Facility Operating License No. NPF-89 for Comanche Peak Steam Electric Station, Units 1 and 2, respectively. The amendments consist of changes to the Technical Specifications in response to your application dated January 13, 2000.

The amendments add "NOTE 3" to Surveillance Requirement 3.3.1.10 to allow entry into MODES 2 or 1 without the performance of N-16 detector plateau verification until 72 hours after achieving equilibrium conditions at greater than or equal to 90 percent rated thermal power.

A copy of our related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next biweekly *Federal Register* notice.

Sincerely,  
/RA/

David H. Jaffe, Senior Project Manager, Section 1  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-445 and 50-446

Enclosures:

- 1. Amendment No. 76 to NPF-87
- 2. Amendment No. 76 to NPF-89
- 3. Safety Evaluation

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**Comanche Peak Steam Electric Station**

**cc:**

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U.S. Nuclear Regulatory Commission  
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**Honorable Dale McPherson  
County Judge  
P. O. Box 851  
Glen Rose, TX 76043**

**Office of the Governor  
ATTN: John Howard, Director  
Environmental and Natural  
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**Arthur C. Tate, Director  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

TXU ELECTRIC COMPANY

COMANCHE PEAK STEAM ELECTRIC STATION, UNIT NO. 1

DOCKET NO. 50-445

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 76  
License No. NPF-87

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by TXU Electric Company (TXU Electric) dated January 13, 2000, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. NPF-87 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 76 , and the Environmental Protection Plan contained in Appendix B, are hereby incorporated into this license. TXU Electric shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. The license amendment is effective as of its date of issuance and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Gramm, Chief, Section 1  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical  
Specifications

Date of Issuance: March 24, 2000



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

TXU ELECTRIC COMPANY

COMANCHE PEAK STEAM ELECTRIC STATION, UNIT NO. 2

DOCKET NO. 50-446

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 76  
License No. NPF-89

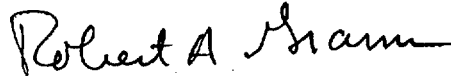
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by TXU Electric Company (TXU Electric) dated January 13, 2000, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. NPF-89 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 76 , and the Environmental Protection Plan contained in Appendix B, are hereby incorporated into this license. TXU Electric shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Gramm, Chief, Section 1  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical  
Specifications

Date of Issuance: March 24, 2000

ATTACHMENT TO LICENSE AMENDMENT NO. 76

TO FACILITY OPERATING LICENSE NO. NPF-87

AND AMENDMENT NO. 76

FACILITY OPERATING LICENSE NO. NPF-89

DOCKET NOS. 50-445 AND 50-446

Replace the following pages of the Appendix A Technical Specifications with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

Remove

Insert

3.3-13

3.3-13

**SURVEILLANCE REQUIREMENTS (continued)**

<p>SR 3.3.1.9 -----NOTE----- Verification of setpoint is not required. -----  Perform TADOT.</p>	<p>92 days</p>
<p>SR 3.3.1.10 -----NOTES----- 1. N-16 detectors are excluded from CHANNEL CALIBRATION.  2. This Surveillance shall include verification that the time constants are adjusted to the prescribed values.  3. Prior to entry into MODES 2 or 1, N-16 detector plateau verification is not required to be performed until 72 hours after achieving equilibrium conditions with THERMAL POWER <math>\geq</math> 90% RTP. -----  Perform CHANNEL CALIBRATION.</p>	<p>18 months</p>
<p>SR 3.3.1.11 -----NOTES----- 1. Neutron detectors are excluded from CHANNEL CALIBRATION.  2. This Surveillance shall include verification that the time constants are adjusted to the prescribed values.  3. Prior to entry into MODES 2 or 1, power and intermediate range detector plateau verification is not required to be performed until 72 hours after achieving equilibrium conditions with THERMAL POWER <math>\geq</math> 90% RTP. -----  Perform CHANNEL CALIBRATION.</p>	<p>18 months</p>
<p>SR 3.3.1.12 Not used.</p>	

(continued)





UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 76 TO

FACILITY OPERATING LICENSE NO. NPF-87

AND AMENDMENT NO. 76 TO

FACILITY OPERATING LICENSE NO. NPF-89

TXU ELECTRIC COMPANY

COMANCHE PEAK STEAM ELECTRIC STATION, UNITS 1 AND 2

DOCKET NOS. 50-445 AND 50-446

1.0 INTRODUCTION

By application dated January 13, 2000, TXU Electric Company (the licensee) requested a change to the Technical Specifications (TSs) for the Comanche Peak Steam Electric Station, Units 1 and 2 (CPSES). The proposed change would add "NOTE 3" to Surveillance Requirement (SR) 3.3.1.10 to allow entry into MODES 2 or 1 without the performance of N-16 detector plateau verification until 72 hours after achieving equilibrium conditions at greater than or equal to 90 percent rated thermal power.

2.0 BACKGROUND

Prior to conversion of the CPSES TS to the NUREG-1431 (Improved Technical Specification) format in Amendment 64, a NOTE 5 was provided in TS Table 4.3-1, "Reactor Trip System Instrumentation Surveillance Requirements," to allow entry into MODE 1 to perform detector plateau evaluations for the Nuclear Instrumentation System (NIS) and the N-16 channels. NOTE 5 stated the following: "Detector plateau curves shall be obtained and evaluated. For the Intermediate Range Neutron Flux, Power Range Neutron Flux and N-16 channels the provisions of Specification 4.0.4 are not applicable for entry into MODE 1 or 2." Because of the format of NUREG-1431, surveillances in TS Section 3.3.1, and the NIS and N-16 calibrations were split into two surveillances; SR 3.3.1.10 for N-16, and SR 3.3.1.11 for the NIS. In Amendment 64, NOTE 5 of TS Table 4.3-1 was carried over to SR 3.3.1.11 in the form of a surveillance note stating the following: "Prior to entry into MODES 2 or 1, power and intermediate range detector plateau verification is not required to be performed until 72 hours after achieving equilibrium conditions with THERMAL POWER [greater than or equal to] 90 [percent] RTP [rated thermal power]." The corresponding NOTE was inadvertently not included in SR 3.3.1.10 for the N-16 channels.

The licensee has proposed that a NOTE be included in SR 3.3.1.10, similar to that provided for SR 3.3.1.11, as follows: "Prior to entry into MODES 2 or 1, N-16 detector plateau verification is

not required to be performed until 72 hours after achieving equilibrium conditions with THERMAL POWER [greater than or equal to] 90 [percent] RTP." The NOTE is required because N-16 power plateau evaluations can only be accomplished in MODE 1.

### 3.0 EVALUATION

The Nuclear Regulatory Commission (NRC or the Commission) staff has reviewed the CPSES TS which were applicable to the NIS and N-16 channels prior to Amendment 64 and conclude that an administrative error occurred in that the subject NOTE was not included in SR 3.3.1.10. The NOTE proposed by the licensee is acceptable in that it allows entry into MODE 1 for establishment of required conditions for performance of N-16 power plateau evaluations. Accordingly, the following "NOTE 3" should be added to SR 3.3.1.10: "Prior to entry into MODES 2 or 1, N-16 detector plateau verification is not required to be performed until 72 hours after achieving equilibrium conditions with THERMAL POWER [greater than or equal to] 90 [percent] RTP."

### 4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Texas State official was notified of the proposed issuance of the amendments. The State official had no comments.

### 5.0 ENVIRONMENTAL CONSIDERATION

The amendments change a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (65 FR 9013, dated February 23, 2000). Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

### 6.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: D. H. Jaffe

Date: March 24, 2000