

11
April 1, 1996

Mr. C. Lance Terry
Group Vice President, Nuclear
TU Electric
Energy Plaza
1601 Bryan Street, 12th Floor
Dallas, TX 75201-3411

SUBJECT: CORRECTION TO AMENDMENT NOS. 49 AND 35 TO FACILITY OPERATING LICENSE
NOS. NPF-87 AND NPF-89 - COMANCHE PEAK STEAM ELECTRIC STATION,
UNITS 1 AND 2 (TAC NOS. M94167 AND M94204)

Dear Mr. Terry:

On April 1, 1996, the Commission issued Amendment Nos. 49 and 35 to Facility Operating License Nos. NPF-87 and NPF-89 for the Comanche Peak Steam Electric Station, Units 1 and 2. The amendments revised the core safety limit curves and revised N-16 Overtemperature reactor trip setpoints as a result of the reload analyses for CPSES Unit 2, Cycle 3. In addition, the minimum required Reactor Coolant System (RCS) flow was increased and an administrative enhancement was included in the footnotes of the RCS flow-low reactor trip function setpoint for both Units 1 and 2.

After issuance, it was discovered that the amendment numbers were missing from the two signed amendment pages. We are reissuing these two pages, resigned to maintain continuity. In addition, Technical Specification (TS) page 2-9 had a typographical error in that the number of a previous amendment on the bottom of the page was incorrect. A correct TS page 2-9, as well as the overleaf page, are also enclosed. We regret any inconvenience this may have caused you.

Sincerely,

ORIGINAL SIGNED BY:

Timothy J. Polich, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-445 and 50-446

Enclosures: As stated

cc w/encs: See next page

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

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Group Vice President, Nuclear
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Sincerely,

A handwritten signature in cursive script, appearing to read "Timothy J. Polich", is written over a horizontal line.

Timothy J. Polich, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-445 and 50-446

Enclosures: As stated

cc w/encls: See next page

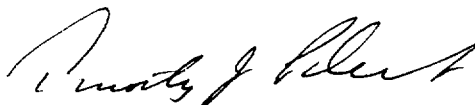
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C.(2) of Facility Operating License No. NPF-87 is hereby amended to read as follows:

2. Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 49, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated in the license. The licensee 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 to be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Timothy J. Polich, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: April 1, 1996

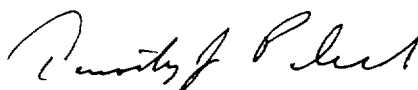
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C.(2) of Facility Operating License No. NPF-89 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 35, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated into this license. TU 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 to be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Timothy J. Polich, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: April 1, 1996

Mr. C. Lance Terry
TU Electric Company

cc:

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Comanche Peak, Units 1 and 2

Honorable Dale McPherson
County Judge
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Arthur C. Tate, Director
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Texas Department of Health
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TABLE 2.2-1 (Continued)
TABLE NOTATIONS

NOTE 1: Overtemperature N-16

$$N = K_1 - K_2 \left[\frac{1 + \tau_1 s}{1 + \tau_2 s} T_c - T_c^o \right] + K_3 (P - P^1) - f_1 (\Delta q)$$

Where:	N	= Measured N-16 Power by ion chambers,	
	T_c	= Cold leg temperature, °F,	(
	T_c^o	= 560.5°F for Unit 1, 560.8°F for Unit 2 - Reference T_c at RATED THERMAL POWER,	
	K_1	= 1.150,	
	K_2	= 0.0134/°F for Unit 1 0.0138/°F for Unit 2	
	$\frac{1 + \tau_1 s}{1 + \tau_2 s}$	= The function generated by the lead-lag controller for T_c dynamic compensation,	
	τ_1, τ_2	= Time constants utilized in the lead-lag controller for T_c , $\tau_1 \geq 10$ s, and $\tau_2 \leq 3$ s,	
	K_3	= 0.000719/psig for Unit 1 0.000720/psig for Unit 2	

TABLE 2.2-1 (Continued)

TABLE NOTATIONS (Continued)

NOTE 1: (Continued)

- P = Pressurizer pressure, psig,
P¹ ≥ 2235 psig (Nominal RCS operating pressure),
S = Laplace transform operator, s⁻¹,

and $f_1(\Delta q)$ is a function of the indicated difference between top and bottom halves of detectors of the power-range neutron ion chambers; with gains to be selected based on measured instrument response during plant STARTUP tests such that:

For Unit 1

- (i) for $q_t - q_b$ between -65% and +4%, $f_1(\Delta q) = 0$, where q_t and q_b are percent RATED THERMAL POWER in the top and bottom halves of the core respectively, and $q_t + q_b$ is total THERMAL POWER in percent of RATED THERMAL POWER,
- (ii) for each percent that the magnitude of $q_t - q_b$ exceeds -65%, the N-16 Trip Setpoint shall be automatically reduced by 1.81% of its value at RATED THERMAL POWER, and
- (iii) for each percent that the magnitude of $q_t - q_b$ exceeds +4%, the N-16 Trip Setpoint shall be automatically reduced by 2.26% of its value at RATED THERMAL POWER.