

February 11, 1992

Docket No. 50-445

DISTRIBUTION:

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Dear Mr. Cahill:

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION, UNIT 1 - AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE NO. NPF-87 (TAC NO. M80055)

The Commission has issued the enclosed Amendment No. 8 to Facility Operating License No. NPF-87 for the Comanche Peak Steam Electric Station, Unit 1. The amendment consists of changes to the Technical Specifications in response to your application dated March 27, 1991.

The amendment proposes the addition of Technical Specification (TS) 3/4.7.12 and Bases 3/4.7.12. This provides a limiting condition of operation (LCO) and surveillance requirements for the safety chilled water system.

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,

Original Signed By

Thomas A. Bergman, Acting Project Manager  
Project Directorate IV-2  
Division of Reactor Projects - III/IV/V  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 8 to NPF-87
2. Safety Evaluation

cc w/enclosures:  
See next page

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DATE	: 1/16/92	: 1/24/92	: 1/21/92	: 1/22/92	: 2/10/92

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DATE	: 1/31/92	:	:	:

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Mr. William J. Cahill, Jr.

- 2 -

February 11, 1992

cc w/enclosures:

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

TEXAS UTILITIES ELECTRIC COMPANY, ET AL.\*  
COMANCHE PEAK STEAM ELECTRIC STATION, UNIT 1  
DOCKET NO. 50-445  
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 8  
License No. NPF-87

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Texas Utilities Electric Company (TU Electric) acting for itself and as agent for Texas Municipal Power Agency (licensees) dated March 27, 1991, 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.

\* The current owners of the Comanche Peak Steam Electric Station are: Texas Utilities Electric Company and Texas Municipal Power Agency. Transfer of ownership from Texas Municipal Power Agency to Texas Utilities Electric Company was previously authorized by Amendment No. 9 to Construction Permit CPPR-126 on August 25, 1988 to take place in 10 installments as set forth in the Agreement attached to the application for Amendment dated March 4, 1988. At the completion thereof, Texas Municipal Power Agency will no longer retain any ownership interest.

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

The Technical Specifications contained in Appendix A, as revised through Amendment No. 8, 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 7 days of date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*William D Reckley for*

Suzanne C. Black, Director  
Project Directorate IV-2  
Division of Reactor Projects - III/IV/V  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 11, 1992

ATTACHMENT TO LICENSE AMENDMENT NO. 8

FACILITY OPERATING LICENSE NO. NPF-87

DOCKET NO. 50-445

Revise Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by amendment number and contain marginal lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

REMOVE

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- - -  
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INSERT

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## PLANT SYSTEMS

### 3/4.7.11 UPS HVAC SYSTEM

#### OPERATING

#### LIMITING CONDITION FOR OPERATION

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3.7.11 Two independent UPS HVAC trains shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3 and 4.

With only one UPS HVAC train OPERABLE, restore the inoperable system to OPERABLE status within 7 days or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

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4.7.11.1 Each UPS HVAC train shall be demonstrated OPERABLE at least once per 18 months by:

- a. Verifying that each UPS HVAC train starts automatically on a Safety Injection test signal.
- b. Verifying that each UPS HVAC train starts automatically on a Blackout test signal.

4.7.11.2 Each UPS HVAC train shall be demonstrated OPERABLE at least once per 31 days by starting the non-operating UPS HVAC train and verifying that the train operates for at least 1 hour.

## PLANT SYSTEMS

### 3/4.7.12 SAFETY CHILLED WATER SYSTEM

#### LIMITING CONDITION FOR OPERATION

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3.7.12 At least two independent safety chilled water trains shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

With only one safety chilled water train OPERABLE, restore at least two trains to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

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4.7.12 The safety chilled water trains shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) servicing safety-related equipment that is not locked, sealed or otherwise secured in position, is in its correct position.
- b. At least once per 18 months by demonstrating that each safety chilled water train pump, chiller and electrical switchgear area emergency fan coil units start on a Safety Injection test signal.

PLANT SYSTEMS

BASES

AREA TEMPERATURE MONITORING (Continued)

Area	<u>TEMPERATURE LIMIT (°F)</u>		Area Monitored
	Normal Conditions	Abnormal Conditions	
CRDM Platform Barrier	140	149	General Area CRDM Shroud Exhaust
Reactor Cavity Detector Well	135	175	Reactor Cavity Exhaust
R. C. Pipe Penetration Exhaust (N-16 Detectors)	200	209	General Areas Reactor Cavity Exhaust

3/4.7.11 UPS HVAC SYSTEM

The OPERABILITY of the UPS HVAC System ensures that the uninterruptible power supply and distribution rooms ambient air temperatures do not exceed the allowable temperatures per Specification 3/4.7.10 for continuous-duty rating for the equipment and instrumentation cooled by this equipment.

3/4.7.12 SAFETY CHILLED WATER SYSTEM

The OPERABILITY of the Safety Chilled Water System ensures that sufficient cooling capacity is available for continued operation of safety related equipment during normal and accident conditions. The redundant cooling capacity of this system, assuming a single failure, is consistent with the assumptions used in the safety analyses.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE NO. NPF-87  
TEXAS UTILITIES ELECTRIC COMPANY, ET AL.  
COMANCHE PEAK STEAM ELECTRIC STATION, UNIT 1  
DOCKET NO. 50-445

1.0 INTRODUCTION

By application dated March 27, 1991, Texas Utilities Electric Company (the licensee) requested changes to the Technical Specifications (Appendix A to Facility Operating License No. NPF-87) for the Comanche Peak Steam Electric Station, Unit No. 1 (CPSES). The licensee has proposed the addition of Technical Specification (TS) Section 3/4.7.12 and Bases 3/4.7.12. This TS provides a limiting condition of operation (LCO) and surveillance requirements for the safety chilled water system.

2.0 EVALUATION

The safety chilled water system is designed to provide essential cooling to fan coolers that remove heat from the engineered safety feature (ESF) pump rooms and from the Class 1E electrical switchgear areas. The safety chilled water system is ANS safety class 3 and Seismic Category I, and is required to operate during post design basis accident (DBA) conditions. Each unit is provided with two 100 percent capacity trains that are powered from independent class 1E busses.

The safety chilled water system consists of the following:

- two 100 percent-capacity centrifugal chillers;
- two 100 percent-capacity chilled water recirculation pumps;
- chilled water storage tank;
- chilled water fan coil units; and
- associated piping, valves, and instrumentation.

In its justification, the licensee stated that the addition of this TS will aid the operator by providing a consistent approach concerning the operational

requirements for the safety chilled water system. The proposed TS addition is consistent with other comparable safety-related systems [component cooling water (CCW) and station service water (SSW)] at CPSES and other similarly designed licensed facilities. The proposed LCO statement requires that at least two independent safety chilled water trains be operable in Modes 1, 2, 3 and 4, with an action statement requiring that an inoperable train be restored to operable status within 72 hours or be in hot standby within the next 6 hours and cold shutdown within the following 30 hours. The proposed LCO does not alter the capability of the safety chilled water system to perform its design function under normal and accident conditions.

The proposed surveillance requirement calls for verification of the position of each valve in all flow paths servicing safety-related equipment at least once every 31 days. The surveillance requirement also requires a periodic test (every 18 months) of the automatic start of the safety chilled water pumps and chiller, and the electrical area fan coil units on a safety injection test signal. The reliability of the safety chilled water system will be enhanced by incorporating the TS surveillance requirements because a periodic testing program will be enforced and the surveillance of valves, pumps, and other components will be performed routinely.

On the basis that the addition of TS 3/4.7.12: (1) ensures the operability of the safety chilled water system in the event of a design basis accident; (2) that the proposed LCO requirements of TS 3/4.7.12 are consistent with the assumptions used in the safety analyses for CPSES Unit 1; and (3) the proposed surveillance requirements of TS 3/4.7.12 enhances the reliability of the safety chilled water system, the staff finds that the proposed TS change is acceptable.

### 3.0 STATE CONSULTATION

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

### 4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and adds surveillance requirements. The NRC staff has determined that the amendment involves 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 amendment involves no significant hazards consideration, and there has been no public comment on such finding (56 FR 22478). Accordingly, the amendment meets 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 amendment.

## 5.0 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 amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: S. Flanders

Date: February 11, 1992