

March 22, 2001

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) UNITS 1 AND 2 -
REQUEST FOR ADDITIONAL INFORMATION REGARDING SPENT FUEL
STORAGE RACKS AND SPENT FUEL STORAGE CAPACITY
(TAC NOS. MB0207 AND MB0208)

Dear Mr. Terry:

By letter dated October 4, 2000, you submitted proposed changes to the Technical Specifications (TSs) associated with spent fuel storage racks and spent fuel storage capacity at CPSES, Units 1 and 2. The proposed TSs changes, when approved, will allow installation of additional, high density, spent fuel storage racks and an increase in spent fuel storage capacity. The proposed changes are needed by August 31, 2001, in order to support the spring 2002 CPSES, Unit 2, refueling outage.

The Nuclear Regulatory Commission (NRC) staff has reviewed the information provided in the October 4, 2000, letter. In order for the NRC staff to complete its evaluation, a response to the enclosed Request for Additional Information (RAI) is required. These questions supplement those sent to you in our letter dated March 14, 2001.

The contents of this RAI have been discussed with Mr. D. Woodland of your staff on March 19, 2001, and a response time frame of ninety (90) days from receipt of this letter, was agreed to. If for any reason this date becomes unreasonable, please contact me at your earliest opportunity.

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

Enclosure: Request for Additional Information

cc w/encl: See next page

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Comanche Peak Steam Electric Station

cc:

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REQUEST FOR ADDITIONAL INFORMATION
REGARDING SPENT FUEL STORAGE RACKS AND SPENT FUEL STORAGE CAPACITY
TXU ELECTRIC, ET. AL.
COMANCHE PEAK STEAM ELECTRIC STATION, UNITS 1 AND 2
DOCKET NOS. 50-445 AND 50-446

Plant Systems Branch (SPLB)

- SPLB-4 The submittal (Reference 1) states that cranes to be used to move the spent fuel racks will have a suitably rated capacity. Discuss the design capacity of the lifting system (the spent fuel rack handling crane and the Fuel Building overhead crane including any special lifting and rigging devices used to handle and lift the racks), and any testing criteria that is used to support and verify the reliability of the system and the associated devices. Also cite the source of the criteria (e.g., state whether the single failure proof crane is in accordance with NUREG-0554 (Reference 2)).
- SPLB-5 If the crane is not a single failure proof crane in accordance with NUREG-0554, discuss the potential impact of a load drop onto the liner of the spent fuel pool and any compensatory measures that would be implemented to minimize and manage the damage from the drop, including, the capability of the leak detection system to limit any leaks, and the capabilities to provide adequate makeup to avoid uncovering the fuel stored in the spent fuel pools.
- SPLB-6 Describe the safe load path for the transfer of the spent fuel racks from the point of receipt and unloading to the point of staging and for the installation of the spent fuel racks.
- SPLB-7 Reference 1 discusses how the proposed changes affect the design bases events regarding the drop of a fuel cask or a tornado. Discuss the impact of this change with regard to the potential drop of a spent fuel storage rack onto a rack with stored fuel.

References:

1. Letter dated October 4, 2000, from James J. Kelley, Jr., TXU Electric to U.S. NRC, "Comanche Peak Steam Electric Station (CPSES) - License Amendment Request (LAR) 00-05 - Revision to Technical Specification - Spent Fuel Assembly Storage Racks and Fuel Storage Capacity" - TXX-00144.
2. NUREG-0554, "Single-Failure-Proof Cranes for Nuclear Power Plants," May 1979